UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1958-1959

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD COHEN

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE AND TREASURER

SIR FREDERICK JAMES, O.B.E.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

The year was the second year of a new quinquennium. It began with a continuation of that keen sense of disappointment that was felt at the beginning of the quinquennium as funds derived from the University Grants Committee did not permit any new project to be financed by the College. These conditions continued when the estimates for the present year were framed.

The College received therefore with the greatest satisfaction the announcement by the Chancellor of the Exchequer in March 1959 of new grants for the last three years of the present quinquennium to 'ease the burden of teaching which has fallen on the Universities as a result of the increase in student numbers over the numbers on which the quinquennial estimates were based'. The additional sums that the College will receive in those years will be £80,000 in 1959–60, £87,500 in 1960–61, and £95,000 in 1961–62. This welcome assistance will be more appropriately a matter for report in 1959–60, but mention of it is made here as, though no developments could take place in the year under review, the College is encouraged by the possibility of some slight alleviation in the concluding years of the quinquennium.

The grant from the Court of the University, which is a consolidation of the College's share of the University Grants Committee's grant and grants from the London County Council and from the Home Counties, exclusive of special grants to cover salary and pension supplementations which amounted to £128,056, was £1,205,000. This was an increase of £40,000 over the Court's grant for 1957–58, but it did little more than cover the cost of continuing commitments in the form of salary and wages increments and also the cost of revised rates of salaries for technicians.

Towards the end of the year the Court of the University was able to make a supplementary grant of £15,000 for the maintenance of new accommodation that came into use during the year, namely 25 Gordon Street and the second stage of the new Biological Sciences buildings. This grant has enabled the College to add a similar sum to its long-term maintenance reserve.

The total income for the year was £1,605,090 as compared with

£1,522,883 in the previous year, and the expenditure was £1,600,698 as compared with £1,519,166.

While the financial considerations outlined above did not permit the College to continue its long-planned academic development, a number of new posts were created for limited periods by the Leverhulme Trust, the Wellcome Trust, Arthur Guinness Son and Company (Park Royal) Limited, and Tube Investments Limited. The details of the work associated with these posts are outlined below.

Research activities within the College sponsored by grants from public bodies and other organisations continued to increase, from £120,500 in 1957–58 to £170,500 in 1958–59. The number of research projects in hand, financed in this way, was 140 at the close of the year.

While the College has thus been active in obtaining resources from a number of quarters for advanced study and research, it cannot be denied that for a period of some three years there has not been available the finance to carry out what was a well-defined programme of using the abilities of the very distinguished staff of the College to the full. It can only be regretted that there was this period of restriction as far as the University Grants Committee's grants were concerned. It is to be hoped that something can be done to alleviate this in the later years of the present quinquennium with the additional grants to which reference has already been made.

While the recurrent resources of the College have thus caused a degree of restriction in its work, notable progress has been made in its building programme.

The first two stages of the Biological Sciences Block on the Gower Street frontage are now completed and the construction of the third and fourth stages is in progress. It is probable that work on the foundations and basement of the final stage will begin before the end of 1959.

The construction of the final part of the College boiler house, which has been a major work, is now in progress.

The construction of the first two stages of the Engineering building, fronting Torrington Place, is now in progress. When completed, this part of the new building will consist of basement, ground-floor, and ten upper floors. The construction of the foundations and basement of the wing of this building, which will front on to Gower Street, is expected to start in the latter part of 1959.

The building contract for the new Students' Refectory, and for the kitchens which will serve the Upper and the Students' Refectory, has

been placed and work has begun. It is hoped that this project will be completed by the beginning of 1961. The Refectory and the kitchens will be under the General Library, with stores and other ancillary accommodation in the basement of the Main Building. It will be recalled that a generous grant from Sir Simon Marks, and from the Companies with which he is associated, enabled priority to be given to this project.

During the year, the conversion of 25 Gordon Street was completed and it now houses the Department of Mathematics, the Students' Union, and parts of the Departments of Physics and Chemical Engineering. The student body has much appreciated this new and pleasantly furnished accommodation which, though it is very far from adequate for the size of the College, is a great improvement on the very meagre space that was previously available. The second stage of the Animal House adjacent to the Medical Sciences building was also completed. The Department of Psychology obtained additional accommodation by the conversion of 16 Gordon Square.

The proceeds of the memorial fund to commemorate Sir Allen Mawer, Provost of the College from 1930 to 1942, have been devoted to equipping a Music Room with gramophone and library in the new premises of the Students' Union. The room is for the use of both staff and students.

Statistics of the student population are set out in Appendices VII and VIII. The total registrations, undergraduate and postgraduate, rose by a further 86 in 1958–59, and now establish a new record of 3,716. The number of students undertaking full-time studies has risen by more than 100 for the second year in succession, and this continued increase shows the contribution the College is making to the programme of expanding the output of university graduates. The most interesting development is, however, the expansion that has proved possible in the Faculty of Science where, despite all the difficulties of accommodation, the total number of students has exceeded 1,000 for the first time, and where the sessional increase has at last exceeded that in the Faculty of Arts. Postgraduate numbers continue to increase showing a further addition of 36 students since last session and reaching the unprecedented total of 839.

A list of publications by members of the College Departments, which will be found on pages 24–57, shows the range of work which has been completed in the session. No attempt is made here to summarise the many research projects on which the departments are now actively engaged. Some indications may, however, be given of developments in the resources which are at their disposal.

The rehousing of the Department of Anthropology in the Biological Sciences block was completed in the Christmas vacation with the transfer of the Physical Anthropology laboratories from the Anatomy building. In the Department of Egyptology the Flinders Petrie Collection is now completely unpacked; all important objects are exhibited. In the Department of Geography the teaching of the geography of Latin America was initiated. This is a new development for which the Department had been preparing for some years, and a lectureship has now been established through the generosity of the Leverhulme Trust. Again, through the generosity of the Leverhulme Trust, the History Department has been able to appoint an Assistant Lecturer in Hispanic and Latin American History. This is a development long-planned which not only reinforces the Chair of Latin American History but enables a beginning to be made in the teaching of Spanish History. In the Department of Town Planning the research subject for the Diploma this year was an inquiry into the immediate and long-term development in the Borough of Fulham. A public discussion on the studies and proposals was held at the Housing Centre during March 1959. For the first time an organised summer school, sponsored by the British Council for visiting town planners and urbanists from ten different countries abroad, was held in the Department. The Committee for Urban Studies has conducted surveys of the West Indian population in London, and into a number of other topics of social and urban interest.

In the Department of Eugenics, Biometry and Genetics the generosity of the Wellcome Trust has made possible improved laboratory accommodation and, as a result, apparatus for studying human haemoglobins and serum protein has been set up in the Galton Laboratory. The Department of Physics has taken possession of its new premises in 25 Gordon Street, and the high voltage generator for the study of positive ion collisions has been completed. Considerable development has taken place in the upper atmospheric research programme, using the "Skylark" rocket. In addition, the Department will participate in the national programme of space research using space made available in American satellites. At the beginning of the session, the Department of Psychology took possession of 16 Gordon Square, thereby uniting the Department except for the animal behaviour section.

In the Department of Anatomy and Embryology the extra accommodation made available by the Department of Anthropology, though small in amount, has allowed a substantial reorganisation of the Department. The Embryology lecture theatre has been recon-

structed on the ground floor, making it of much greater use for departmental and College activities. In its place a large new electron microscope laboratory has been made and a second electron microscope installed. A course in electron microscopy has thus been made possible by the reorganisation.

Two professorial appointments were resigned at the end of the session. Professor A. J. Ayer, on his appointment to the Wykeham Chair of Logic in the University of Oxford, resigned the Grote Chair of Philosophy of Mind and Logic which he had held since 1947. Professor Ayer has been responsible for developing the Department of Philosophy to an extent which provides convincing evidence of his powers as a teacher and his eminence as a philosopher. Other departments will miss the stimulating contacts they have had with him.

Professor E. H. J. Gombrich, after giving to the Slade School three stimulating years as Durning-Lawrence Professor of the History of Art, has left the College to become Director of the Warburg Institute, where it is hoped that it will be possible to maintain contact with him.

K. C. Richardson, who resigned his Readership in Histology to take up an appointment in the Department of Anatomy at Washington University, St. Louis, had been in our Department of Anatomy and Embryology since 1933, and had served the Faculty of Medical Sciences as House Tutor during the war-time evacuation of the Faculty to Leatherhead, and as Sub-Dean and Tutor from 1952 to 1955.

Among those taking up appointments on the academic staff at the beginning of the session were Professor G. C. Drew, who came from the University of Bristol to the Chair of Psychology, and Professor C. A. Rogers, previously Mason Professor of Pure Mathematics in the University of Birmingham and a former student of this College, who was appointed to the Astor Chair of Mathematics.

The College lost by retirement at the end of the session four members of the academic staff, each of whom had given long and valued service in his own particular field. Two of them were members of the Department of Civil and Municipal Engineering.

Professor H. J. Collins, Chadwick Professor of Civil Engineering and Director of the Civil and Municipal Engineering Laboratories, whose first appointment in the Faculty of Engineering was in 1923, had held the Chadwick Chair since 1936. His work in restoring the Chadwick Laboratory was a notable contribution to the re-establishment of the College in London after the war, and he has done much

for the development and extension of the Laboratory, particularly in the fields of Public Health, Soil Mechanics, Concrete Technology, Photoelasticity, and Photogrammetry.

Professor M. E. Delafield had been Special Lecturer in Hygiene since his appointment to a Chair at the London School of Hygiene and Tropical Medicine in 1929, except for a period during the war when the post was suspended. His association with the College, however, dates back to 1920 when he was first appointed to the staff of the then separate Department in the Engineering Faculty of Hygiene and Public Health. He was Acting Head of this Department from 1924 until its disestablishment in 1929.

H. Warren Wilson's retirement from the staff of the Bartlett School of Architecture marks the end of a term of service dating back to 1923, and having as its distinctive feature the establishment of the Division of Decoration, of which he was given the title of Director in 1951.

A. Gwynne Jones retired after being on the staff of the Slade School of Fine Art for twenty-nine years. He entered it first as a student in 1914 and, after distinguished service in the first world war, returned to study there from 1919 to 1922, and was for many years the principal teacher of painting in the School.

The retirement of Miss Millicent M. Oldham terminated her long tenure of the post of Alumnus Secretary of the College. She was first appointed to the administrative staff in 1923, and her earliest work at the College was connected with the Centenary Appeal and the Centenary Celebrations in 1926. Since then, besides building up the alumnus work, Miss Oldham has given devoted service to the Old Students' Association and the affairs of the Ramsay Memorial Fellowships Trust.

The Friends of University College London continue to play an important part in the life of the College. During the session 1958–59 gifts were made to improve both the cultural and games amenities of the College. In allocating their funds the Friends kept uppermost in their minds the needs of the students outside their academic curricula. A gift of £300 was made by the Friends towards the cost of levelling and fencing a vacant College site in the Fitzroy Street area to provide a cricket practice wicket and a golf net so that the students could have some sports facilities near the College. Another gift of £100 was used to construct a small bore rifle range in the basement of the Main Building of the College. The Friends also made good some indoor sports deficiencies at the new Shenley tea room. Funds were provided for repairing and reconditioning a piano which

had been presented to the Union by the Warden of Bentham Hall. A grant of £200 was also made towards the cost of one hard tennis court at the Shenley Grounds.

To help the Music Society the Friends provided the funds to purchase a bass recorder for its Recorder Group, musical scores and covers to start a library for its Madrigal Group, and some additional funds towards the cost of a bassoon. A further grant of £50 has enabled the Film Society to continue its work on films of College affairs. A grant was made towards the cost of the third Reception arranged for former students, which was held in 1959; and a sum of £200 was allocated to meet the cost of restoring a set of Rex Whistler murals presented to the College by the Baroness Ravensdale.

During the year, the Friends have gratefully received from members some additional support by way of specially generous donations and other gifts. Outstanding among these has been a most generous gift from Mr Harry Sacher, once a student in the Faculty of Laws, of shares to the value of over £10,000. This is the first gift of this order that the Friends have received and it will enable them to increase their grants in a most welcome way. Mrs I. D. Singer presented a good reconditioned Bechstein upright piano for the practice room in the new Union premises, and from Dame Harriette Chick came a collection of flowering shrubs which met an urgent requirement for the Shenley grounds.

Among special events held during the session may be mentioned the third Reception, arranged for former students at the invitation of the Provost and the President of the Association of Friends of the College, which was held on 27 February 1959. Over 300 students who were at the College during the period 1918–33 were present, and were most appreciative of the opportunity given to them of re-visiting the College and meeting again their teachers and student contemporaries, in some cases after the lapse of very many years.

A Jubilee Commemoration of the work of Professor E. G. Coker and Professor L. N. G. Filon on Photoelasticity was held at the College in April 1959. The exhibition of photoelastic stress analysis was opened by Sir Arnold Hall. It showed the progress in methods and apparatus in the fifty years since the late Professors E. G. Coker and L. N. G. Filon began their collaboration, and illustrated the work carried out within the College continuously (except for war-time breaks) since the appointment of Professor Coker in 1914. The latest developments together with some of the earliest experiments were shown to visitors from the United Kingdom and abroad. Applications to all types of modern structures and mechanisms were

shown in all major branches of engineering. Some parts of the exhibition, showing the determination of the stress fields in some problems of civil engineering were rearranged and shown at the Conversazione of the Institution of Civil Engineers in June 1959.

The Centenary of the birth of A. E. Housman, Professor of Latin at the College from 1892 to 1911, was celebrated at the College on 3 September 1959 in association with the Third International Congress of Classical Studies. The Centenary Lecture, delivered by Professor O. Skutsch, was followed by a recital of music. Poems of A. E. Housman set for tenor and piano by John Ireland, and for tenor, string quartet and piano by R. Vaughan Williams, were sung by Alexander Young. After the Reception many of the guests visited the Housman Exhibition arranged in the Flaxman Gallery by John Carter and J. W. Scott, Librarian of the College.

The Assembly of Faculties was held on 26 June 1959, and the Special Visitor was Sir Alexander Fleck.

During the third term of the session the Provost was given leave of absence and Professor Sir Christopher Ingold acted as Vice-Provost.

COHEN, *Chairman*
IFOR EVANS, *Provost*

SUPPLEMENT

OBITUARY

We record with deep regret the death during the year of ten Fellows of the College. The untimely death of Professor R. C. FitzGerald, before his election to the Fellowship had been announced, was a severe loss to the whole College. He was an outstanding student, a member of the staff of the Department of Laws since 1946 successively as Lecturer, Reader and Professor of English Law, and had served as Dean of the Faculty. As a member at one time of the College Committee and Managing Committee, and for a number of years as Chairman of the Refectory Committee, he made a conspicuous contribution to the general life of the College. He was a valued counsellor in the many different spheres of student activity in which he took a keen interest.

Few members of the College can have had a longer and closer connection with it, or spent themselves more in its service, than Miss Edith Goodyear, whose death brought an end to an association

begun more than sixty years ago when in 1898 she entered the Faculty of Science as an undergraduate. She was a member of the staff of the Department of Geology from 1904 to 1945 and Tutor to Women Students from 1926 to 1945, and will be remembered gratefully by those who, as women students of the College, were helped and guided by her sound judgment and kind counsel. For many years she had been a Vice-President of the Old Students' Association and had served on its Council. For over thirty years J. W. Jeaffreson played an important part in the teaching work of the French Department where he was held in affectionate regard. Professor J. T. MacGregor-Morris, who since his retirement from the Chair of Electrical Engineering at Queen Mary College had been an Honorary Research Associate in the Department of Electrical Engineering, was still holding this appointment when he died at the age of eighty-seven; and, to the end of his long life, he took an active interest in the affairs of the College.

Rather less closely associated with the College in recent years, except as members of its distinguished company of Fellows, were Dr D. N. Nabarro, Joint Senior Fellow, Sir Alfred Egerton, Professor Emeritus of Chemical Technology at Imperial College; P. Maynard Heath, Consulting Surgeon, Metropolitan and Gordon Hospitals and Evelina Hospital for Sick Children; Sir Matthew Smith, artist and painter; Dr Marie Stopes, pioneer in family planning; and Sir Francis Teale of University College Hospital.

Dr John Kirk, who was for a number of years Senior Demonstrator in Anatomy at the College and subsequently Professor of Anatomy at the Middlesex Hospital Medical School, died in September 1959. As Sub-Dean of the Faculty of Medical Sciences from 1929 to 1937, and as Senior Tutor from 1933 to 1937, he had a wide sphere of influence in the College and gained the respect and affection of the many students who, during these pre-war years, profited by the wisdom of his advice. Another former member of the staff of the College who died during the course of the year was Sir Walter Greg, Honorary Lecturer in Bibliography in the Department of English since 1932. The death also occurred of F. W. Stroud, Arts Beadle of the College from 1913 to 1947 and through two world wars, who was a familiar figure to many succeeding generations of students.

Of other former students of the College who died during the year, mention is made of R. D. Acton, who was one of the first Supreme Court Judges in the Straits Settlements and Federated Malay States; C. C. Barnard, Librarian of the London School of Hygiene and

Tropical Medicine; Sir Cecil Dawes, Legal Adviser to the Ministry of Education from 1940 to 1954; Anthony Devas, the portrait painter; T. L. Eckersley, who made important contributions to the basic knowledge of electromagnetic wave propagation; and H. G. Gee, formerly Chief Industrial Commissioner to the Ministry of Labour.

The College also suffered the loss of a present member of its academic staff by the death of R. J. Wilkins, Reader in Civil Engineering since 1957.

HONOURS AND APPOINTMENTS

The 1959 New Year Honours included the conferment of the order of C.B.E. on two former students of the College: W. A. S. Butement, Chief Scientist, Department of Supply, Australia, and L. P. Ellicott, who has more recently been appointed Chief Technical Planner of the Ministry of Housing and Local Government.

In the Queen's Birthday Honours for 1959, Knighthoods were conferred on V. R. Bairamian, Chief Justice, Sierra Leone, a former student in the Faculty of Arts, and Stanley Spencer, the Artist, who is a Fellow of the College; the K.C.V.O. on Sir Archibald Gray, Consulting Physician at University College Hospital and a Fellow of the College; the order of K.C.M.G. on J. Walker, H.M. Ambassador in Caraccas, a former student of the Geography Department; the C.M.G. on J. C. B. Richmond, lately of the Foreign Office and a former student of the Bartlett School of Architecture; the C.B. on D. C. H. Abbot, Under-Secretary, Ministry of Pensions and National Insurance, former student of the Physics Department; the C.B.E. on Mrs Gwendolen Hilton, Director of the Radio-therapy Department at University College Hospital, and Miss Mary Woodall, Director of the Birmingham Museum and Art Gallery, both Fellows of the College, and on Miss Alice Battensby, Headmistress of the Cambridgeshire High School for Girls and a former student of the History Department, and M. A. Sisson, an architect, who studied in the Bartlett School of Architecture.

Dr Kwame Nkrumah, Prime Minister of Ghana and at one time a postgraduate student in the Philosophy Department, was appointed a member of Her Majesty's Most Honourable Privy Council; and A. W. Snelling, a former student of the Department of Political Economy, became High Commissioner in Ghana; while D. M. H. Riches, who also read Economics at the College, was appointed British Ambassador in Libya.

Three former students of the Faculty of Laws obtained important legal appointments overseas: Dr G. B. A. Coker as Judge of the High Court of Lagos and the Southern Cameroons, C. G. X. Henriques as Chief Justice of the Supreme Court of the Windward Islands and Leeward Islands, and C. E. G. Phillips as a Puisne Judge in Trinidad and Tobago. Leong Yew Koh, who was at one time a student in the Faculty of Arts, was appointed Minister of Justice in the new Cabinet of the Federation of Malaya.

Of the many important appointments and elections obtained by past and present members of the College, mention can be made of only a few.

British Academy Fellowships were conferred on Professor W. B. Emery and Professor M. M. Postan. Dr F. H. C. Crick, Professor R. J. W. Le Fevre, and Professor C. A. Rogers were elected Fellows of the Royal Society; Sir Arthur MacNalty to an Honorary Fellowship of the Royal Society of Medicine, and Dame Lillian Penson to an Honorary Fellowship of the Royal College of Surgeons; Gilbert Spencer as a Royal Academician and F. E. McWilliam as an Associate of the Royal Academy.

The election of Professor T. B. L. Webster as President of the Classical Association, and of Dr Joan Evans as first woman President of the Society of Antiquaries, were announced during the year, also the appointment by the Lord President of the Council of Professor H. S. W. Massey as head of the team of experts which went to the United States to discuss Anglo-American co-operation in space research. Professor Dame Kathleen Lonsdale became a Secretary of the British Association and Dr C. A. Hart a member of the Scientific Council for Africa.

Several members of the professorial staff of the College were honoured by election to membership of foreign academies or learned societies. Professor P. B. Medawar was elected a Foreign Honorary Member of the American Academy of Arts and Sciences and of the Royal Belgian Academy of Medicine. He was also appointed Reith Lecturer for 1959. Professor R. S. Nyholm was elected a Corresponding Member of the Finnish Chemical Society and Professor T. B. L. Webster to membership of the Royal Society of Arts and Sciences, Sweden. Professor R. Weiss became a Corresponding Fellow of the Medieval Academy of America and of the Accademia Patavina di Scienze, Lettere e Arti of Padua. The election of F. C. Francis, a former student of the College who has been associated for many years with the School of Librarianship and Archives, as a Foreign Honorary Member of the American Academy of Arts and

Sciences, was announced shortly after his appointment as Director and Principal Librarian of the British Museum.

The University of London conferred the honorary degree of LL.D. on Dr P. Dunsheath, who for some years has been a member of the College Committee, and Sir Archibald Gray, Fellow of the College; also the honorary degree of D.Lit. on Sir Kenneth Clark, a member of our Slade Committee. Others upon whom honorary degrees were conferred during the year were the Very Rev. Israel Brodie, who received the D.C.L. of the University of Durham; Professor Sir Lindor Brown, the LL.D. of the University of St Andrews, the D. de l'Univ. of the University of Liège, and the Diploma of "Doutor Honoris Causa" by the University of Brazil; Dr E. W. H. Cruickshank, the LL.D. of the University of Aberdeen; Professor P. Geyl, the D.Litt. of the University of Oxford; Professor A. V. Hill, the D.Sc. of the University of Rochester, New York; Sir Harold Himsworth, the LL.D. of the University of Wales; Professor Sir John E. Neale, the Doctorate of Humane Letters of Amherst College, U.S.A.; Professor P. B. Medawar, the D. de l'Univ. of the University of Liège; Professor A. D. Momigliano, the D.Litt. of the University of Bristol; Professor T. W. Moody, the D.Lit. of the University of Belfast; Professor J. L. Montrose, the LL.D. of the University of Dublin; Mr C. B. Oldham, the Litt.D. of the University of Sheffield; Professor T. F. T. Plucknett, the Litt.D. of the University of Cambridge, and Sir John Summerson, the D.Litt. of the University of Leicester.

The following were appointed to Research Fellowships: Dr B. G. Cragg to a Locke Research Fellowship of the Royal Society; Sir Stewart Duke-Elder to the Charles Mickle Fellowship; Dr G. Hoyle to a Royal Society Research Fellowship; Dr E. R. Huehns to a Junior Beit Fellowship; A. G. R. Petti to a Harkness Commonwealth Fellowship and R. A. Webster to a Stothert Research Fellowship. Dr B. Cheng has been awarded a Rockefeller Grant to enable him to pursue research in law relating to outer space.

Awards made by the Royal Society during the year included a Royal Medal to Professor H. S. W. Massey, the Darwin Medal to Sir Gavin de Beer, and the Hughes Medal to Emeritus Professor E. N. da C. Andrade. Professor S. E. Hollingworth received the Murchison Medal of the Geological Society. The posthumous award of the Kenyon Medal was made by the British Academy to Dr M. Ventris for outstanding services to Greek language and literature.

The following were appointed to University Chairs: Dr A. C. Cawley to the Chair of English Language and Literature in the

University of Queensland; Dr W. M. Shepherd to the Chair of Theoretical Mechanics in the University of Bristol; and Dr P. A. Sweet as Regius Professor of Astronomy in the University of Glasgow. Dr R. Capildeo was appointed Head of the new Technical College in the West Indies.

Within the College the title of Professor of Physiology was conferred by the University of London on Dr J. A. B. Gray, and the title of Reader on the following: Dr R. L. F. Boyd (Physics), W. J. Corlett (Political Economy), Dr H. Kalmus (Biology), Dr J. L. Mongar (Chemical Pharmacology), Dr M. J. Seaton (Physics), and Dr D. P. Walker (French).

New Faculty appointments were: Professor A. B. C. Cobban as Dean, and Professor O. Skutsch as Vice-Dean, of the Faculty of Arts; Professor E. D. Hughes as Dean, and Professor W. R. Dean as Vice-Dean, of the Faculty of Science; Professor E. H. Thompson as Dean, and Professor R. E. D. Bishop as Vice-Dean, of the Faculty of Engineering; and Professor J. Z. Young as Dean of the Faculty of Medical Sciences.

STUDENT HEALTH ASSOCIATION

Increased attendances in the medical section are attested by the numbers 7,529, 9,085 and 11,658 for the past three years. The Centre is bursting at its seams, and its work was already beginning to be cramped by insufficient room two or three years ago. The two dental chairs have continued to work with long waiting lists, but a third dental chair is not possible until more room is available. A comparatively disappointing number of attendances at the mass X-ray examination was off-set by the first opportunity to organise poliomyelitis vaccinations for members of the College, 1,600 of whom benefited.

The Association has lost two of its major figures. Dr D. Heron had been active in the formation of the Association in 1945 and on its Committee since. For twelve years he has been treasurer and, as the only non-student officer, he gave much time and detailed attention to all aspects of the development of the Association. Dr N. Malleson, the first full-time physician and later physician-in-charge of the Association, has left after ten years to found a similar institution in the University of Sydney. His initiative and drive, and his extensive and stimulating social contacts with students and staff, have largely accounted for the remarkable evolution of the Association and the comfortable co-operation of students and staff in managing it.

To both Dr Heron and Dr Malleson the Association has expressed its cordial and affectionate gratitude.

OLD STUDENTS' ASSOCIATION

At the Annual General Meeting on 22 October 1958, Dr Edith Batho was elected President of the Association for the session 1958–59, her second term of office, and Dr H. K. Cameron was nominated for appointment to the College Committee.

The College has again paid one annual subscription on behalf of students who have completed a first degree or a diploma course. This has given a new membership of about 600 for each of the past three years, and it is now apparent that this generous and far-sighted action of the College is having the desired effect of increasing the general membership of the Association, though, even so, the percentage of former students who join is lamentably low.

The year's social programme has been a rich and varied one, and the functions have been attended reasonably well. Delays in the building programme made it necessary to postpone for a year the visit to the new Biological Sciences block which was to have followed the Annual General Meeting. Instead, the College Film Society very kindly arranged a show of their recent films. Three other informal dinners were held during the session. It would be invidious to mention them in any but chronological order. Dr Mary Woodall, Director of the City of Birmingham Art Gallery and a newly-elected Fellow of the College, spoke about her recent visit to museums and art galleries in the Soviet Union, answered many questions and would have answered as many more had there been time. Next came Professor Fry to present a concert version of Donizetti's *Elisir d'Amore*, in the fourth and, we hope, by no means the last of a distinguished series. Finally, Colonel Jessop took his audience back over the past fifty years of the College—a nostalgic excursion that can hardly have failed to have a direct appeal to every member present.

The debate, on the motion that the College was on the down-grade, which was proposed, on behalf of the O.S.A., by F. C. Gee and L. Josephs and opposed by members of the College Debating Society, provided a lively and entertaining evening. The dinner at Crosby Hall, held during the Easter vacation, attracted fewer people than had been expected. Those who did not attend missed a most interesting talk by Dr Batho about the Hall and its remarkably chequered history. The dinner-dance in January gave an opportunity

to hear, as an after-dinner interlude, a very pleasing recital of songs and chamber music by members of the College Music Society. The social year culminated, most appropriately, in an afternoon visit in perfect weather to Royal Holloway College, where members were the guests of Dr Batho in her dual role of Principal of the College and President of the O.S.A. Five or six students who take an active part in the life of the College were invited to each of the informal dinners in order to introduce them to the normal social activities of the Association.

THE STUDENTS' UNION

This year has been unusual. In January, the Union moved into its new premises in the old Seamen's Hospital, and the result has been a marked increase in student activities: never before has the Union had such facilities at its disposal, and never have so many students taken advantage of the facilities provided.

The advantages of the new Union have been fully exploited by the introduction of Saturday night socials three or four times a term. The programmes have catered for a wide variety of tastes, including one-act plays by Dramatic Society—a welcome expansion of their activities. In addition to these productions and several play-readings, the Society put on its traditional programme, including at Christmas *Gabriel Schilling's Flight* by Hauptmann, and Behrman's *End of Summer* as the Foundation Play. The chief beneficiary of the new amenities has been the Music Society, and the two music rooms and the Allen Mawer Room with its record library are meeting a demand hitherto unsatisfied. This year's opera was *The Barber of Baghdad* which did not provide an opportunity for the recently formed ballet group. The Jazz Society has maintained its popularity, and the band won the Inter-collegiate Jazz Competition. The critics of Film Society were confounded at the Foundation Film Show by a news-reel giving a report of an affiliated society's meeting the day before. The Debating Society continued to struggle against the crippling lack of a suitable chamber, although to this should not be attributed the result of the Foundation Debate, when the motion of 'No Confidence in Her Majesty's Government' was carried. The affiliated societies, too, have shown signs of prosperity, for which one reason may be the grant from the Union to each Society according to the number of members.

In addition to the Foundation Week events mentioned above,

Professor Ayer delivered an Oration on 'The Value of Philosophy', which was better attended than a Foundation Forum on 'The Church of England', in which Lord Altrincham took part. The Women's 'At Home' was on a more ambitious scale than in previous years and was particularly enjoyable.

It is a pleasant change to report that the issue of *New Phineas* was sold out. It suffered from too frequent changes of editorship, but the other Union publications maintained very high standards.

Members of the Union maintained its prestige outside College, one being elected a Vice-President of the National Union of Students, and three being Vice-Presidents of the University of London Union.

The College had a most successful sporting year, and for the first time for some years won both the Commemoration Games and the Foundation Games. Our teams won both the men's and women's hockey championships, and now that the College has a rifle range, the future is bright for the Rifle Club, who won two University championships. The Shenley Athletic Grounds have been used more than ever before. Three hundred students went there for an Inter-departmental Sports Day in February, and a similar function in June attracted two hundred participants. An experiment which may be repeated was to make Shenley the venue for the Going Down Ball.

Students of the College marched in hundreds through the streets of London in a silent protest against the policy of the South African Government in imposing segregation of races in separate Universities.

Whether, as the novelty of the new Union building disappears, the tide will ebb, remains to be seen, but for the moment the Union's perennial problem of *lebensraum* continues.

T. A. G. Davis
President, 1959–60

THE BARTLETT SCHOOL OF ARCHITECTURE

Of the 178 full-time students in the School, 53 students were taking the Degree course, 98 the Diploma course, and 27 the Certificate course in Decoration. At the end of the session, 6 students were recommended for the Degree, 14 students were awarded the Diploma, and 4 students the Certificate in Decoration. One candidate was reading for the M.A. Degree in Architecture, and two members of the staff, A. M. Foyle and H. F. Hoar, were awarded the Ph.D. Two students passed the Certificate examination in the Preservation and Restoration of Historical Buildings, and the examiners recommended that the research work on King Edward's tomb at Westminster Abbey by J. G. O'Neilly should be published.

The Bartlett School again took part in the annual competition between French and British Schools on a common design subject. A fourth year student, L. M. Hellman, was the winner of the competition, and G. D. Locke and Jane J. Marlow won the second and third prize respectively. R. J. Weeks, a fifth year student who has this year been awarded the College Diploma, has been granted a French Government Scholarship to enable him to study for a year at L'Ecole Nationale Supérieure des Beaux-Arts in Paris.

Two members of the staff have won competitions: Dr J. Lomax, in conjunction with R. E. Dodds a former student, were selected in the first degree of a national competition to produce detailed schemes for the New Ipswich Civic Centre; Dr A. M. Foyle, in conjunction with L. A. Porri a former student, won a competition in connection with the centenary re-building programme at Haileybury and Imperial Service College.

Students in the first and second years again attended practical building demonstrations at the Building Crafts Training School at Great Titchfield Street and also visited several buildings in course of erection.

H. Warren Wilson, who has retired from his post as Director of the Division of Decoration, will be returning next session to give a series of lectures to first year students. Several outside architects have lectured to the students on subjects not covered by the curriculum and, for the coming session, some distinguished architects are being asked to conduct seminar classes on subjects set by the School.

The School again wishes to record its appreciation of the valuable assistance given by the Slade School of Fine Art, the Department of Civil and Municipal Engineering, and the Departments of Mathematics and Archaeology.

THE SLADE SCHOOL OF FINE ART

There were 189 full-time students (110 men and 79 women) attending the School during the session. Of these 156 were following the courses leading to the Diploma in Fine Art, thirteen were post-Diploma students, and the rest were following courses in the School for one year only.

There was one British Council scholar, while other students from overseas came from Argentina, Australia, Austria, Canada, Chile, China, Hong Kong, Hungary, India, Norway, Pakistan, Portugal, Sierra Leone, Singapore, Sudan, Switzerland, and the United States of America.

At the annual entrance examination held in January, 358 candidates applied for places in October 1959. Sixty-eight candidates were accepted.

During the session the following artists, apart from those on the regular staff, have taught periodically in the School: Rodney Burn, L. S. Lowry, Lucian Freud and John Piper.

In January, Myles Murphy joined the staff of the School as an Assistant to take over the work of Patrick George who was appointed Head of the Department of Art at the Nigerian College of Art, Science and Technology, and Eric Finlay was appointed Demonstrator in Etching and Engraving for the last two terms of the session. Kenneth Haskell succeeded Ronald Davey as Assistant in the History of Art, and Stanley Jones was appointed as Assistant in Lithography.

During the first term Professor Gombrich lectured on 'Renaissance Art North of the Alps'. In February, Professor Gombrich went to America for four months to teach at Harvard University. In his absence Sir Anthony Blunt and Michael Kitson kindly undertook to lecture, and Dr Ettlinger continued to hold the seminars. During the autumn term, W. S. Hayter lectured on 'Methods of Gravure' and Professor Alford on 'Abstract Expressionist Painting as the Image of the Person'. In the spring term George Hamilton of Yale University lectured on 'Cezanne and his Critics'. During the summer term

the following lectures were given: 'An Introduction to the Art of "Primitive" Peoples with Special Reference to Africa' and 'The Bronzes of Benin' by Professor Daryll Forde; 'Context in Primitive Art' by Dr E. R. Leach; 'Maya and Mexican Art' and 'The Art of Peru' by Dr G. H. S. Bushnell; 'Indian Art from pre-history to the 10th Century' by Dr S. N. Ghose; 'Celtic Art in Britain, 250 B.C.–A.D. 80' by Sir Cyril Fox; 'The Religious Sculpture of the Ijo of Nigeria' by R. L. Horton and 'Reflections on Primitive Art' by Professor Gombrich. The special University lectures in Fine Art were given at the Senate House by Nevil Coghill on 'Visual Aspects of the Theatre'.

Robert Medley having resigned at the end of last session on being appointed Head of the Painting Department at Camberwell School of Art, Peter Snow and Nicolas Georgiadis jointly conducted the Theatre Design class at the Slade throughout the year. John Collins continued to instruct in Scene Painting, and again took groups of students for practical work on the paint-frames at Sadlers Wells and the Old Vic Theatres. During the year Dame Ninette de Valois lectured on 'Ballet', Miss Nora Lambourne gave six lectures on the 'History of Costume', and Peter Williams visited the class to set and later to criticise the designs for the ballet 'Apollon Musagete' by Stravinsky. George Devine and Robert Stanbury also visited the class and lectured to the students.

Among those students who gained awards during the session were: Michael Chilton and Michael Sandle, Abbey Minor Scholarships; Carol Burns and Michael Sandle, French Government Scholarships; J. G. Bevan, Postgraduate Studentship; Carol Burns, Janet Dawson, Corinne Webb and Wendy Yeo, Boise Travelling Scholarships.

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STUDENT HEALTH ASSOCIATION

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chair man: The Right Hon. Lord Cohen‡	7–8
Vice-Chairman and Treasurer: Sir Frederick James, O.B.E.‡	6–8
John Brown, C.B.E., M.C., M.A., B.SC., LL.D.	0–8
Professor Sir Lindor Brown, C.B.E., M.SC., M.B., CH.B., LL.D., D. DE L'UNIV., F.R.C.P., F.R.S.¶	1–5
H. K. CAMERON, B.SC., PH.D.¶	4–5
Mrs Irene Chaplin, B.A., J.P.	7–8
The Right Hon. The Earl of Cromer	0–8
P. Dunsheath, C.B.E., M.A., D.SC.(ENG.), D.ENG., LL.D., M.I.E.E.	3–8
Sir Ifor Evans, D.LIT.† *Provost*	4–4
David Heron, M.A., D.SC.†	7–8
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	3–8
Professor E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S.†	7–8
Professor C. K. Ingold, D.SC., F.R.S. *Vice-Provost*	4–4
Professor B. Katz, M.D., PH.D., D.SC., F.R.S.§	1–3
Professor D. Lloyd, M.A., LL.D.¶	3–5
A. Maccoll, M.SC., PH.D.	5–8
L. H. Macklin, O.B.E., M.A.	7–8
R. D. McLellan, PH.D.§	3–3
E. K. Martin, M.B., M.S., F.R.C.S.†	6–8
T. A. L. Paton, B.SC., M.I.C.E., M.AM.SOC.C.E.†	3–8
S. W. C. Phillips, C.B., B.A.§	2–3
Professor R. Powell, D.C.L.§	3–3
F. J. Stephens, M.A.‡	1–8
The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	4–8
Professor James R. Sutherland, M.A., B.LITT., LL.D., F.B.A.¶	5–5
Professor E. H. Thompson, O.B.E., B.A., F.R.I.C.S.	4–8
G. F. Vaughan, M.B., M.R.C.P., D.P.M.¶	3–5
Alderman Sir Bernard Waley-Cohen, M.A.	6–8
G. E. Walker, O.B.E., B.A.	4–8
Miss Phyllis Woodham-Smith, M.A.§	1–3

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1958 to 30 September 1959. ‡ Hon. Fellow of the College. † Fellow of the College. § Membership terminated before 30 September 1959. ¶ Appointed after 1 October 1958.

APPENDIX II

PROFESSORIAL BOARD

Chairman: Sir Ifor Evans, D.LIT., Provost†

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, C.B.E., M.COM., PH.D., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Lecturer in Phonetics

A. J. Ayer, M.A., F.B.A., Grote Professor of Philosophy of Mind and Logic

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., Pender Professor of Electrical Engineering†

R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), A.M.I.MECH.E., A.F.R.AE.S., Kennedy Professor of Mechanical Engineering

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

Sir Lindor Brown, C.B.E., M.SC., M.B., CH.B., LL.D., D. DE L'UNIV., F.R.C.P.,F.R.S., Jodrell Professor of Physiology

A. B. C. Cobban, M.A., PH.D., Professor of French History

Sir William Coldstream, C.B.E., Slade Professor of Fine Art†

H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E., Chadwick Professor of Civil Engineering

H. O. Corfiato, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D., Professor of Architecture

D. P. Craig, D.SC., Professor of Chemistry

H. C. Darby, O.B.E., M.A., PH.D., Professor of Geography

Florence N. David, D.SC., Reader in Probability and Statistics

W. R. Dean, M.A., Goldsmid Professor of Mathematics

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

G. C. Drew, M.A., Professor of Psychology

W. B. Emery, M.B.E., M.A., F.S.A., Edwards Professor of Egyptology

R. C. FitzGerald, LL.B., F.R.S.A., Professor of English Law†*

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Professor of Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

R. E. Gibbs, D.SC., F.INST.P., Reader in Physics and Tutor to Science Students

E. H. J. Gombrich, PH.D., M.A., Durning–Lawrence Professor of the History of Art

J. A. B. Gray, M.A., M.B., B.CHIR., Professor of Physiology

H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics

Sir William Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A., Professor of Town Planning

† Fellow of the College. * Died 4 February 1959.

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry†

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

Sir Christopher Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Professor of Library Studies and Director of the School of Librarianship & Archives

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics

G. W. Keeton, M.A., LL.D., Professor of English Law

L. Margaret Kerly, M.A., PH.D., Reader in Biochemistry

D. Lewis, D.SC., F.R.S., Quain Professor of Botany

D. Lloyd, M.A., LL.D., Quain Professor of Jurisprudence

Dame Kathleen Lonsdale, D.B.E., D.SC., F.R.S., Professor of Chemistry†

A. Maccoll, M.SC., PH.D., Reader in Chemistry

D. McKie, D.SC., PH.D., F.R.I.C., F.R.S.E., Professor of History and Philosophy of Science†

R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin

H. S. W. Massey, D.SC., PH.D., F.R.S., Quain Professor of Physics

W. R. Mead, M.SC.(ECON.), PH.D., Reader in Geography

P. B. Medawar, C.B.E., M.A., D.SC., D. DE L'UNIV., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

R. S. Nyholm, D.SC., F.R.I.C., F.R.S., Professor of Chemistry†

E. S. Pearson, C.B.E., M.A., D.SC., Professor of Statistics†

L. S. Penrose, M.A., M.D., D.SC., M.R.C.S., L.R.C.P., F.R.S., Galton Professor of Eugenics

N. W. Please, B.SC., Lecturer in Statistics

R. Powell, D.C.L., Professor of Roman Law

Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

C. A. Rogers, D.SC., F.R.S., Astor Professor of Mathematics

J. W. Scott, B.A., A.L.A., Librarian

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., F.S.A., Quain Professor of English Language and Literature

S. Stein, PH.D., Reader in Hebrew

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

L. W. Tancock, PH.D., Reader in French

E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Surveying & Photogrammetry

M. A. Thomson, M.A., D.PHIL., Astor Professor of English History

E. G. Turner, M.A., F.B.A., Professor of Papyrology

T. B. L. Webster, M.A., LITT.D., F.S.A., HON.R.A., Professor of Greek

† Fellow of the College.

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature

J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1959:

HONORARY FELLOWS

None elected.

FELLOWS

His Excellency Mr Edward Ochir Asafu-Adjaye, first High Commisioner for Ghana to the United Kingdom.

Major Charles James Prior Ball, D.S.O., M.C., Director of the Distillers Co. Ltd, and many other companies.

Professor Richard Charles FitzGerald, Professor of English Law in the University of London at University College London.

Dr Howard Nicholson, Physician to University College Hospital and Brompton Hospital, London.

Professor Ronald Sydney Nyholm, Professor of Chemistry, University College London.

Mr Leonard Rotherham, Member for Research of the Central Electricity Generating Board; Member of the Minister of Power's Scientific Advisory Council; Member of the Progress in Nuclear Energy Honorary Editorial Advisory Board, Second International Conference on the Peaceful Uses of Atomic Energy, Geneva; a Vice-President of the Institute of Metallurgists.

APPENDIX IV

RECOGNITION OF TEACHERS

The following members of the academic staff have been granted, during the academic year 1958–59, Full Recognition as Teachers of the University in the subjects and in the University Faculties indicated:

Barton, D. E.	Statistics	Science
Basson, A. H.	Philosophy	Arts
Coffey, M.	Classics	Arts
Coppock, J. T.	Geography	Arts, Science, and Economics
de Monchaux, Cecily	Psychology	Arts and Science
Deuchar, Elizabeth M.	Embryology	Medicine and Science
Dodgson, J. M.	English	Arts
Emslie, McD.	English	Arts
Goolden, P.	English	Arts
Henderson, C.	Physics	Science
Hesse, Mary B.	History and Philosophy of Science	Science
Heymann, F. F.	Physics	Science
Jonckheere, A. R.	Psychology	Arts and Science
Laurence, D. R.	Pharmacology	Medicine and Science
Lewis, J.	Chemistry	Science
Piggott, Mary	Librarianship	Arts
Please, N. W.	Statistics	Science
Pocker, Y.	Chemistry	Science
Sturmey, S. G.	Economics	Economics
Thompson, F. M. L.	History	Arts
Weiss, J. G.	Medieval Hebrew	Arts

APPENDIX V

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Resignation: W. S. S. Ladell, B.A., M.B., B.CH. (Honorary Lecturer).

ARCHITECTURE

Appointment: J. R. Stammers, B.A., F.R.I.B.A. (Part-time Lecturer).

Retirement: H. Warren Wilson, A.R.C.A. (Senior Lecturer and Director of the Division of Decoration).

ENGLISH LANGUAGE AND LITERATURE

Appointments: J. Chalker, M.A. (Assistant Lecturer), from the University of Uppsala.
Professor B. A. Wright, M.A. (Honorary Research Associate), Professor Emeritus of the University of Southampton.

Death: Sir Walter Greg, LITT.D., D.LITT., LL.D., F.B.A. (Honorary Lecturer in Bibliography).

FINE ARTS

Appointments: N. Georgiadis (Part-time Assistant).
F. J. H. Haskell, M.A. (Part-time Assistant).
J. S. Jones (Part-time Assistant).
W. T. Monnington, B.A. (Part-time Assistant). Re-appointment.
P. Snow (Part-time Assistant).

Resignation: E. H. J. Gombrich, PH.D., M.A. (Durning-Lawrence Professor of the History of Art), to Directorship of Warburg Institute.

Retirement: A Gwynne-Jones (Assistant).

FRENCH

Appointments: Elena Forté, L.ÈS L., D.E.S. (Part-time Assistant), from a teaching appointment in Paris.
Claude Ménard, L. ÈS L., D.E.S. (Part-time Assistant), from the University of Durham.

GEOGRAPHY

Appointments: J. C. Crossley, M.A. (Leverhulme Lecturer in Latin American Geography), formerly a part-time member of staff in Department.
R. G. Lister, B.A. (Honorary Research Associate), from the University of Otago, New Zealand.

HISTORY

Appointment: J. A. Robson, M.A., PH.D. (Leverhulme Assistant Lecturer in Hispanic and Latin American History), from Gonville and Caius College, Cambridge.

LIBRARIANSHIP AND ARCHIVES

Appointment: D. J. Foskett, M.A., F.L.A. (Part-time Lecturer), of the Institute of Education.

Resignation: F. C. Francis, C.B., M.A., F.S.A. (Part-time Lecturer).

PHILOSOPHY

Resignation: A. J. Ayer, M.A., F.B.A. (Grote Professor of Philosophy of Mind and Logic), to the Wykeham Chair of Logic, University of Oxford.

POLITICAL ECONOMY

Appointment: D. Mazumdar, B.A., PH.D. (Research Assistant), from London School of Economics.

Resignation: Muriel F. Lloyd-Prichard, M.A., PH.D. (Research Assistant).
Rita J. Maurice, B.SC.(ECON.), PH.D. (Lecturer), to an appointment at the Ministry of Health.

FACULTY OF LAWS

Appointment: A. Goodman, M.A., LL.M. (Honorary Lecturer).
B. Hargrove, LL.B. (Assistant Lecturer), formerly held part-time appointment in Department.

Resignation: D. J. Payne, LL.B. (Lecturer), to All Souls Readership in English Law in the University of Oxford.

Death: R. C. FitzGerald, LL.B., F.R.S.A. (Professor of English Law).

FACULTY OF SCIENCE

ASTRONOMY

Resignation: P. A. Sweet, M.A., PH.D. (Lecturer and Assistant Director of the Observatory), to Regius Professorship of Astronomy in the University of Glasgow.

BOTANY

Appointment: R. S. Clymo, B.SC. (Quain Student), formerly research student in Department.

Resignation: Regina Pietruszko, M.SC. (Research Assistant).

CHEMISTRY

Appointments: B. N. Figgis, M.SC., PH.D. (Lecturer), formerly an Honorary Research Assistant in Department.
P. J. Pauling, B.S. (Lecturer), formerly working in Department on a National Science Foundation grant.

Resignation: Naida S. Gill, M.SC., PH.D. (Honorary Research Associate).

GEOLOGY

Appointments: R. W. R. Rutland, B.SC. (Lecturer), from H. M. Geological Survey, Atomic Energy Division.
E. F. Stumpfl, DR.RER.NAT. (Assistant Lecturer), from Mineralogisch-Petrographisches Institut der Universitat Heidelberg.

MATHEMATICS

Appointment: C. A. Rogers, D.SC. (Astor Professor of Mathematics) formerly Mason Professor of Pure Mathematics in the University of Birmingham.

Resignation: R. Capildeo, M.SC., PH.D. (Lecturer), to Headship of new Technical College in the West Indies.

PHYSICS

Appointments: W. B. Lasich, M.SC., PH.D. (Lecturer), formerly Honorary Research Assistant in Department.

M. O. Robins, M.A., F.INST.P. (Honorary Research Associate), formerly Assistant Director, Guided Weapons Headquarters, Ministry of Supply.

Resignation: E. J. Smith, PH.D., A.R.I.C. (Lecturer), to appointment in the Chemistry Department at Levington Research Station (with Fisons Limited).

PSYCHOLOGY

Appointment: G. C. Drew, M.A. (Professor of Psychology), formerly Professor of Psychology in the University of Bristol.

Resignation: Professor H. J. Eysenck, PH.D. (Part-time Lecturer).

STATISTICS

Appointment: J. G. Saw, B.SC. (Assistant Lecturer), formerly postgraduate student in Department.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointment: K. Vickerman, B.SC. (Wellcome Research Fellow and Honorary Lecturer in Protozoology), from the University of Exeter.

Resignation: Sir Julian Huxley, M.A., D.LITT., D.SC., F.R.S. (Honorary Research Associate).

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointment: I. M. Allison, B.SC.(ENG.) (Lecturer), formerly postgraduate student in Department.

Resignation: J. E. Scutt, B.SC. (Research Assistant).

Retirements: H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E. (Chadwick Professor of Civil Engineering and Director of the Civil and Municipal Engineering Laboratories).

Professor M. E. Delafield, M.C., B.A., M.B., B.CH., L.R.C.P., M.R.C.S., D.P.H., F.R.SAN.I. (Special Lecturer).

Death: R. J. Wilkins, M.SC.(ENG.), M.I.STRUCT.E., A.M.I.C.E. (Reader in Civil Engineering).

MECHANICAL ENGINEERING

Appointments: A. H. Makomaski, B.SC.(ENG.), PH.D. (Lecturer), from the De Havilland Engine Company Limited.

S. R. Montgomery, M.A., SC.D. (Lecturer), from the Massachusetts Institute of Technology.

ELECTRICAL ENGINEERING

Appointment: W. K. Taylor, M.SC., PH.D., A.M.I.E.E. (Senior Lecturer), from honorary appointment in Department of Anatomy and Embryology.

Death: Professor J. T. MacGregor-Morris, D.SC.(ENG.), M.I.E.E. (Honorary Research Associate).

CHEMICAL ENGINEERING

Appointment: F. C. Webb, PH.D., D.I.C., A.R.C.S. (Guinness Lecturer in Biochemical Engineering), from W. R. Warner and Company Limited.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: E. A. Blake Pritchard, M.A., M.D., F.R.C.P. (Honorary Lecturer) of University College Hospital.

C. J. Hodson, M.B., B.S., F.R.C.P., F.F.R. (Honorary Radiologist) of University College Hospital.

M. Kidd, B.SC., M.B., B.S. (Assistant Lecturer), formerly Senior House Officer, Hampstead General Hospital.

Professor A. K. McIntyre, B.SC., M.B., B.S. (Honorary Research Associate), from University of Otago.

M. F. Moody, M.A. (Research Assistant), from Merton College, Oxford.

J. F. Newcombe, M.A., F.R.C.S. (Assistant Lecturer), formerly Junior Surgical Registrar, St Bartholomew's Hospital.

Resignations: W. G. Harris, M.B., B.S. (Assistant Lecturer), to appointment at St Bartholomew's Hospital.

K. C. Richardson, M.SC. (Reader in Histology), to Washington University, St Louis.

S. Cochrane Shanks, C.B.E., M.D., F.R.C.P., F.F.R. (Honorary Radiologist).

BIOCHEMISTRY

Resignations: J. H. Ottaway, PH.D. (Lecturer), to appointment at the University of Edinburgh.

K. R. Rees, M.SC., PH.D. (Lecturer), to appointment as Senior Lecturer in Chemical Pathology, University College Hospital.

BIOPHYSICS

Appointment: D. H. Jenkinson, B.A., M.SC. (Assistant Lecturer), formerly Honorary Research Assistant in Department.

PHYSIOLOGY

Appointments: J. Diamond, B.SC., PH.D., M.B., B.S. (Lecturer).

D. W. Grieve M.SC. (Assistant Lecturer), previously held temporary appointment in Department.

D. Noble, B.SC. (Bayliss-Starling Scholar and Assistant), formerly student in Department.

Resignations: M. de B. Daly, M.A., M.B., B.CH. (Honorary Research Associate), to Chair of Physiology, St Bartholomew's Hospital Medical College.

J. F. Palmer, B.SC. (Assistant Lecturer), to appointment at University College of the West Indies.

APPENDIX VI

PUBLIC LECTURES

COMMEMORATION LECTURES

A. E. HOUSMAN CENTENARY LECTURE

Professor O. Skutsch

PHOTOELASTICITY JUBILEE COMMEMORATION LECTURE

Col. H. T. Jessop

FOURTH CENTENARY OF ACCESSION OF ELIZABETH I

Mr J. Hurstfield: 'Elizabeth I, 1558–1603'

ENDOWED LECTURES

BARLOW LECTURES

Professor J. H. Whitfield, Birmingham: 'The Changing Face of Dante', 'Dante in Boccaccio', 'Dante and Leopardi' (three lectures)

CHAMBERS MEMORIAL LECTURE

Mr Richard O'Sullivan, Q.C.: 'R. W. Chambers and Sir Thomas More: the Scholar and the Saint'

COMMONWEALTH FUND LECTURES

Professor Arthur M. Schlesinger, Jr, Harvard: 'Franklin D. Roosevelt and the Coming of War' (eight lectures)

RICKMAN GODLEE LECTURE

Sir Arthur Bryant: 'Samuel Pepys'

LORD NORTHCLIFFE LECTURES IN LITERATURE

C. V. Wedgwood: 'The Use of History in Imaginative Literature' (four lectures)

INAUGURAL LECTURES

Professor G. C. Drew, Professor of Psychology: 'Aspects of the Investigation of Skilled Performance'

Professor C. A. Rogers, Astor Professor of Mathematics: 'Packing and Covering'

LUNCH-HOUR LECTURES

Dr G. Aquilecchia: 'Machiavelli as a Dramatist'

Mr G. W. S. Barrow: 'William Wallace and Robert Bruce'

Dr A. D. Blest: 'The Evolutionary Origins of Distance Communication by Honey-Bees'

Dr L. Brent: 'A New Kind of Twin'

Mr B. C. Brookes: 'The Limits of the Popularization of Science'

Professor W. B. Emery: 'Excavations at Buhen, Sudan'

Mr P. Goolden: 'The Emergence of Character in English Literature'

Professor Sir William Holford: 'From Sheep Station to Capital: the Growth of Canberra'

Dr H. Kalmus: 'Genetical and Cultural Transmission in Animals and Man'
Mr L. B. Keeble: 'The Role of Town Planning in Modern Society'
Dr A. J. Lloyd: 'Water for the Swiss Jura'
Dr A. Maccoll: 'Some Impressions of the Colleges in West Africa and the West Indies'
Professor H. S. W. Massey: 'Exploration of Space'
Dr J. R. Morris: 'The Historical King Arthur'
Mr F. Parkinson: 'Social Problems of Underdeveloped Countries'
Professor L. S. Penrose: 'Mutation in Man'
Dr B. A. Rowley: 'Critics, Controversies and Criteria: some Literary Problems'
Mr D. A. Sholl: 'The Randomness of the Brain'
Dr K. A. Sinnhuber: 'Alexander von Humboldt (d. 1859), Traveller, Geographer, Philosopher'
Professor A. H. Smith: 'The Vikings'
Dr Colin Smith: 'What has happened to French Rationalism?'
Miss Susan Strange: 'Hegemony in World Politics'
Dr S. G. Sturmey: 'The Economist in Society'
Dr L. W. Tancock: 'Fontenelle—from Pascal to Diderot'
Professor E. G. Turner: 'The New Play of Menander'
Dr J. L. Watling: 'Logical Truth'
Mr A. G. Watson: 'Looking at Mediaeval Manuscripts'
Professor T. B. L. Webster: 'Menander on the Stage'
Dr E. Wiesenberg: 'The Dead Sea Scrolls: where do they come from?'
Dr D. Wilkie: 'The Aims of Sexual Reproduction'
Dr D. R. Wilkie: 'Man-powered Flight'
Professor J. Z. Young: 'Octopuses, Squids, and Cuttlefishes'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

ANATOMY AND EMBRYOLOGY

Dr Harry Grundfest, Columbia: 'The Pharmacology of Cerebral Synapses'

BIOCHEMISTRY

Professor A. Haddow, Chester Beatty Research Institute: 'The Chemistry and Biology of Cancer' (three lectures)
Dr J. B. Neilands, California: 'Iron Metabolism in Micro-organisms'
Dr J. R. Postgate, Department of Scientific and Industrial Research: 'The Sulphur Bacteria' (two lectures)
Professor F. G. Young, Cambridge: 'Hormones and Metabolic Processes' (three lectures)

ELECTRICAL ENGINEERING

Mr J. F. Coales, Cambridge: 'Automatic Control' (four lectures)

HEBREW

Professor Theodor H. Gaster, Dropsie College for Hebrew and Cognate Learning: 'New Light on the Dead Sea Scrolls' (two lectures)

ITALIAN

Professor V. Branca, Padua: 'Il Decameron e l'epopea mercantile con particolare riguardo all'Inghilterra'

Professor F. Chiappelli, Lausanne: 'Tradizione latina e ispirazione moderna nel Tasso'

LIBRARIANSHIP AND ARCHIVES

Series of lectures on 'The Historian and the Archivist in England':

Dr R. Allen Brown, Public Record Office: 'The Public Records and the Historian'

Professor May McKisack, Westfield College: 'Some Pioneers in Archive Research'

Mr Peter Walne, Berkshire Record Office: 'The Record Commissions, 1800–1837'

MATHEMATICS

Professor R. Thom, Strasbourg: 'General Position and Transversality'

PHARMACOLOGY

Professor J. F. Danielli: 'A Generalized Cell Theory and its Relevance to Certain Problems of Drug Action' (three lectures)

Dr D. A. Denton, Melbourne: 'The Control of Secretion of the Transplanted Adrenal Gland'

Dr W. S. Feldberg: 'Some Physiological Aspects of General Anaesthesia'

Professor W. V. Macfarlane, Queensland: 'Chemical Agents and the Slow Potentials of Heart and Muscle Cells'

Dr Valy Menkin, Temple University, Philadelphia: 'Biochemical Mechanisms Involved in Inflammation', 'The Role of Inflammation in Carcinogenesis' (two lectures)

PHILOSOPHY

Professor K. Ajdukiewicz, Warsaw: 'What do Sentences State?'

APPENDIX VII

NUMBERS OF STUDENTS, SESSION 1958–59

	Under-graduates		*Post-graduates*		*Totals*	
Faculty of Arts:						
(*a*) General	916	(299)	223	(75)	1139	(374)
(*b*) Department of Political Economy ..	131	(4)	21	(6)	152	(10)
(*c*) Slade School of Fine Art	196	(14)	16	(3)	212	(17)
(*d*) Bartlett School of Architecture ..	186	(5)	1	(1)	187	(6)
(*e*) Department of Town Planning ..	98	(92)	28	(28)	126	(120)
(*f*) School of Librarianship and Archives	10	(10)	40	(2)	50	(12)
Faculty of Science	651	(6)	358	(100)	1009	(106)
Faculty of Medical Sciences	169	(2)	4*	(1)	173	(3)
Faculty of Engineering	204	(–)	68	(8)	272	(8)
Faculty of Laws	316	(49)	80	(36)	396	(85)
	2,877	(481)	839	(260)	3,716	(741)

* This figure excludes 48 full-time and 4 part-time postgraduate students working in Departments in the Faculty of Medical Sciences who were registered in the University Faculty of Science.

The figures in brackets indicate the number of part-time students which is included in the total under each head.

APPENDIX VIII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1958–59

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	294	114	408
Home Counties (30-mile radius)	877	238	1,115
Remainder of United Kingdom	1,265	197	1,462
BRITISH COMMONWEALTH OF NATIONS			
Australia	8	14	22
British Guiana	8	3	11
Canada	6	25	31
Ceylon	4	6	10
Ghana	11	10	21
Hong Kong	15	4	19
India	16	45	61
Nigeria	48	9	57
Pakistan	16	22	38
South Africa	9	11	20
17 Other Countries	49	22	71
OTHER PARTS OF THE WORLD			
Egypt	15	12	27
France	51	6	57
Germany	18	3	21
Greece	6	4	10
Iraq	6	5	11
Israel	11	4	15
Italy	8	3	11
Sweden	22	1	23
Switzerland	9	3	12
United States of America	35	24	59
Yugoslavia	4	6	10
36 Other Countries	66	48	114
Totals	2,877	839	3,716

SUMMARY

United Kingdom	2,985
British Commonwealth of Nations	361
Other Parts of the World	370
	3,716

APPENDIX IX

APPLICATIONS AND ADMISSIONS SESSION 1958–59

FIRST DEGREE AND FIRST DIPLOMA STUDENTS

	Applicants for Admission	*Students Admitted October 1958*
FACULTY OF ARTS		
B.A. Honours		
Anthropology	18	7
English	520	41
French	505	25
Geography	180	32
German	130	18
Greek and Latin	165	16
Hebrew	4	3
History	399	31
Italian	9	4
Mathematics	20	2
Philosophy and Economics	25	4
Philosophy and Psychology	15	2
Philosophy	25	7
Psychology	48	12
Scandinavian Languages	4	1
	2,067	205
B.Sc.(Econ.)	730	42
University Diploma in Fine Art	304	59
B.A. Honours in Architecture	103	14
Diploma in Architecture		24
Certificate in Decoration	16	9
	119	47
FACULTY OF SCIENCE		
B.Sc. (Special)		
Anthropology	12	2
Astronomy	15	3
Biochemistry	62	15
Botany	115	11
Chemistry	574	48

	Applicants for Admission	*Students Admitted October 1958*
Geography	66	11
Geology	189	13
Mathematics	396	32
Physics	627	47
Physiology	47	15
Psychology	55	15
Statistics	23	14
Zoology	229	11
	2,410	237
FACULTY OF MEDICAL SCIENCES		
2nd Examination for Medical Degrees ..	778	50
2nd Examination for Dental Degrees ..	251	33
	1,029	83
FACULTY OF ENGINEERING		
B.Sc.(Eng.)		
Chemical Engineering	240	16
Civil and Municipal Engineering	272	16
Electrical Engineering	314	18
Mechanical Engineering	351	18
Miscellaneous (Department not stated) ..	10	
	1,187	68
FACULTY OF LAWS		
LL.B.	433	93
Total	8,279	834

APPENDIX X

UNIVERSITY HONOURS

HIGHER DEGREES

FACULTY OF ARTS

D.Lit. *Egyptology:* W. B. Emery. [1]

Ph.D. *Anthropology:* D. P. Gamble. *Architecture:* A. M. Foyle, H. F. Hoar. *English:* Patricia J. Carstens, A. G. Elliott, L. H. P. Honan, G. S. Waldo. *Greek:* L. Brandwood, M. Kokolakis. *History:* B. Dietz, A. G. Judge, A. H. Smith. R. T. Spence, *Philosophy:* P. B. Downing. *Psychology:* J. S. Bishop, Rivca R. Eifermann, B. A. C. Hoddinot, Yvonne S. Mortimer, *Jane Stewart, Maria Wyke. [20]

M.A. *Architecture:* E. Hevezi (Mark of Distinction). *Classics:* Judith Barnett. *English:* J. B. Birch, D. J. Bruce, D. J. Lodge, P. V. Vernon. *Geography:* M. R. Weller. *German:* Rene Gill. *Hebrew and Aramaic:* P. N. Ginsbury. *History:* Penelope Renold. *Mathematics:* M. B. Zarrop (Mark of Distinction). *Philosophy:* P. M. Schaepman. *Psychology:* R. S. Lanterman. *Scandinavian Languages and Literature:* Augusta H. L. Pierce. [14]

FACULTY OF ECONOMICS

M.Sc. S .Bushan, M. N. E. D. Farrag, S. Gupta, V. Manivannan, H. Reeh, S. Sinha, R. I. Thyampanna. [7]

FACULTY OF LAWS

LL.M. Margaret M. W. Booth, A. J. Boyle, B. Hargrove, B. Kohl, M. Y. Mallick, R. J. Southan. [6]

FACULTY OF SCIENCE

D.Sc. *Chemistry:* A. G. Davies. [1]

Ph.D. *Anthropology:* Davida M. W. Higgin. *Botany:* G. T. Boalch, Mary Bryant, A. G. Gordon, Monica F. Mahoney, Maung Than Tun, Wong Hee Aik. *Chemical Engineeering:* K. Ridgway. *Chemistry:* Barbara E. C. Banks, D. V. Banthorpe, M. Bassey, R. E. Cooper, A. Earnshaw, E. U. Emovon, P. V. French, B. M. Gatehouse, A. Grimison, C. D. Hall, M. Hassan, M. Kiamuddin, R. Leberman, M. M. Mhala, R. O. Morris, J. Pannell, R. V. Parish, M. E. Peover, S. G. Perry, D. J. Phillips, R. H. Prince, E. A. Robinson, B. C. Stace, R. D. Topsom, S. Y. Yih. *Crystallography:* L. M. Pant. *Genetics* (*Botany*): *A. H. A. Garde. *Geology:* A. J. Lloyd, R. W. R. Rutland, S. H. A. Shah, M. N. Viswanathiah. *History and Philosophy of Science:* M. P. Crosland, W. A. Smeaton. *Mathematics:* S. J. Biel, D. A. Burgess, N. Fox, M. R. Mehdi, J. N. Whiteley. *Microwave Physics:* J. K. Sinha. *Physics:* W. N. Asaad, A. Burgess, D. J. Cairns, G. E. Kalmus, A. H. A. Moussa, P. D. Niblett, R. Shail, M. A. Shaukat. *Physiology:* P. G. Wright: *Statistics:* B. Ghosh, G. Horsnell, J. G. Saw. *Zoology:* M. J. Hollingsworth. *Zoology* (*Genetics*): K. C. Sondhi. [61]

M.Sc. *Biochemistry:* C. Bryant, A. R. Cook, G. A. Ellard, E. J. Harding, W. J. W. Hines, Margaret E. Howells, Vabid J. Irani, I. R. Johnston, R. L. Joseph, M. Kelly, C. A. King, Myra C. Low, R. M. E. Parkhouse, J. C. Parkinson, D. B. Russell, A. G. Schaffer, D. Y'L. Wang, Barbara A. Weston. *Botany:* *Nydia V. P. M. Garde, R. D. E. Jayasekera. *Chemistry:* M. Cox, R. A. Lee. *Crystallography:* R. O. W. Fletcher. *Geology:* P. C. Jones. *History and Philosophy of Science:* R. N. Badr, J. D. Clarke, R. P. Gould, R. R. Handford, F. T. C. Harris, E. A. Marland, C. A. Russell. *Mathematics:* Gillian M. Adams, M. B. Bickell, R. B. Hudson (Mark of Distinction), Maung Ba Kyi (Mark of Distinction). *Microbiology:* G. N. Godson, P. H. Goll. *Pharmacology:* H. P. Rang. *Physics:* J. T. Scott. *Physiology:* N. T. S. Evans, A. H. Melhuish. [41]

FACULTY OF ENGINEERING

Ph.D. *Chemical:* W. M. Butt, K. W. Carley-Macauly, B. T. Griffiths, H. W. D. Hughes. *Civil:* P. H. Kemp. *Electrical:* S. A. A. Ahmed, A. P. Anderson, J. C. Parr. *Mechanical:* P. J. Bowen, T. H. Lambert. *Photoelasticity:* I. M. Allison. *Photogrammetry:* R. D. Browne. [12]

FACULTY OF MEDICINE

Ph.D. *Eugenics:* C. E. Blank. *Physiology:* E. H. L. Harries. [2]

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anatomy: P. N. Dilly. *Anthropology:* Jocelyne Richard. *Chemistry:* G. Doggett. *Geography:* Elizabeth D. R. Burrell. *Geology:* P. Strogen. *History:* L. M. Bethell. *Mathematics:* Gillian M. Adams. *Physics:* A. D. Martin. *Psychology:* Anne R. Grunfeld. *Zoology:* P. Merrett.

UNIVERSITY STUDENTSHIPS

Engineering (hon.): B. R. Wilkins. *Psychology:* A. R. Pike.

OTHER AWARDS

Carpenters' Company's Scholarship: Lucy E. Cook.

* Also registered at another Institution.

APPENDIX XI

COLLEGE AWARDS TO STUDENTS

I.—ENTRANCE SCHOLARSHIPS

Andrews Scholarships.—Arts: Dorothy J. M. Stapleton, Mexborough Grammar School. *Classics:* R. I. Kendell, King Henry VIII School, Coventry. *Science:* C. J. Fielding, Bournemouth School.

Bartlett Exhibitions in Architecture.—J. M. Rushby, Hele's School, Exeter; Jennifer E. Salzmann, The Abbey School, Reading.

Campbell Clarke Scholarship in English.—Hilary J. Warren, Plymouth Girls' High School.

Dawes Hicks Scholarship in Philosophy.—Jennifer Dawson.

Goldsmid Scholarship.—Engineering: D. Burton, City of Leicester Boys' Grammar School.

Laws Scholarship.—M. Richards, Wigan Grammar School.

Exhibitions in Librarianship.—H. W. Unwin, University of Cambridge; Ella J. G. von Zwehl, University of St Andrews.

Rosa Morison Scholarship.—R. Weatherley, Middlesbrough Boys' High School.

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: G. Margetts. *Dental:* P. R. Likeman.

Anatomy and Physiology (B.Sc. Degree) Exhibitions.—Anatomy: J. V. Clark; R. D. Hinshelwood; S. A. Montgomery. *Physiology:* Helen Dodsworth; Ruth Nissim; L. G. Petty; J. M. Rawles.

Anatomy and Physiology (B.Sc. Degree) Scholarships.—Anatomy: A. R. Nicol; J. O. Stewart; P. L. G. Townsend. *Physiology:* N. R. Saunders.

Sarah M. Baker Memorial Prize (Botany).—Stella Neale.

Herbert Batsford Prize (Architecture).—D. C. Armfield.

Francis Perch Bedford Prize (Zoology).—Jennifer M. Bailey.

Bonney Prizes (Geology).—P. R. Gurr; H. O. A. Meyer.

Alfred Bossom Prize in Domestic Architecture.—D. C. Brooke-White.

Alfred Bossom Atelier Prizes.—English Architecture: Jennifer M. Newell. *Contemporary Architecture:* A. I. Gregson.

Mary Brodrick Prize (Geography).—I. G. Simmons.

'The Builder' Prizes (Architecture).—Measured Drawings (for work done in the Long Vacation, 1958).—*Senior:* No award. *Junior:* R. Beacham. *Architectural Sketches:* No award.

Bunnell Lewis Prizes for Latin Verse.—Elegiacs: W. A. Lockwood. *Hexameters:* W. A. Lockwood and N. M. Kobish, prize equally divided.

Carey Foster Research Prize (Physics).—G. J. Lush.

The Chadwick Medal and Prize (Civil Engineering).—H. N. Simons.

Churchill-Jenkinson Prize (Archive Administration).—B. G. Hutton.

Antonio Cippico Medal and Prize (Italian).—D. R. C. Smith.

Lilian Clarke Prize (*Botany*).—J. G. Scaife.

Clinton Prize (*Electrical Engineering*).—B. R. Wilkins.

Cluff Memorial Prize (*Medical*).—G. Margetts.

Cowley Prizes (*Librarianship and Archive Administration*).—*Librarianship:* Barbara J. Bucknall. *Archive Administration*: No award.

Dawes Hicks Scholarship in Philosophy.—E. Pivčević.

Derby Scholarship (*Zoology*).—P. Merrett.

Donaldson Medal and Prize (*Architecture*).—R. J. Weeks.

Early English Text Society's Prize.—Vivien E. Knowles.

Esso Studentships in Chemical Engineering.—P. Ellwood; J. E. Scutt.

Sir Banister Fletcher Prize and Medal (*Architecture*).—W. F. Ungless.

Fielden Research Scholarship (*German*).—R. B. Tilford.

Foreign Student Scholarships in Arts.—W. M. P. Kruijssen; G. Stričević.

Foyle Prize (*Latin*).—M. T. Barnes.

Goldsmid Science Postgraduate Scholarship.—A. R. Pike.

Archibald P. Head Memorial Medal and Prize (*Mechanical Engineering*).—B. K. Rigby.

T. G. Hill Scholarship (*Botany*).—Stella Neale.

Elsie Hitchcock Prize (*English*).—G. N. Leech.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—B. A. Pike.

Hollier Scholarships.—*Greek:* G. Stričević. *Hebrew:* D. Goldstein.

R. B. Hounsfield Prizes.—*Town Planning and Civic Engineering:* F. R. Harrington. *Traffic Engineering:* J. D. Ambler.

Hurst Prize in English Law.—R. W. Harding.

Incorporated Institute of British Decorators Prize.—Irena J. Koczarska.

Sir George Jessel Studentship in Mathematics.—A. Christofides.

Jews' Commemoration Scholarship.—O. G. Goulden (Arts) and J. S. L. Sinnadurai (Science), scholarship equally divided.

Ker Memorial Prize (*English Language and Literature*).—Jill V. Mansfield.

Sir John MacAlister Medal and Prize (*Librarianship*).—R. A. Christophers.

Medical Postgraduate Scholarships.—M. M. Fisher; D. G. Herries.

John Stuart Mill Scholarship in Philosophy of Mind and Logic.—E. Pivčević.

Momber Scholarship in Physics.—V. A. Bull.

Rosa Morison Memorial Medals (Science).—J. S. Lomas; S. H. Smith.

Rosa Morison Prizes.—*Anthropology:* C. J. Jolly. *French:* O. G. Goulden *Hebrew:* A. Rubin. *Philosophy:* J. I. Edmonds.

Rosa Morison Scholarship in English Language and Literature.—Adina R. W. Marriner.

Morley Medal and Prize (*Modern English Literature*).—G. Aldis.

Morris Prize (*Geology*).—B. C. Belson.

Oliver Scholarship (*Botany*).—Stella Neale.

Parry Prize (*Geography*).—A. R. Baker.

Physiology Class Prizes.—Medical: G. Margetts. *Dental:* C. Lewis.

Platt Prizes (*Greek*).—W. A. Lockwood; A. A. Long.

Pollard Prize (*History*).—R. R. Davies.

Theodora Prankerd Memorial Scholarship in Botany.—Stella Neale.

Quain English Essay Prize.—R. G. Fowler.

Ramsay Memorial Medal (*Chemistry*).—J. E. Fergusson.

Ellen Richards Prize (*Botany*).—Stella Neale.

Graham Robertson Travelling Scholarship (*Fine Art*).—Dorothy I. Mead.

Robert Ross Scholarship (*Fine Art*).—R. D. Norris.

Hester Rothschild Scholarship in Hebrew.—D. Goldstein.

L.M. Rothschild Scholarship in French.—Violet M. Hall.

Schafer Prize in Physiology.—D. R. Wilkie.

Slade Scholarships.—H. F. Gosney; C. F. Ware.

Stanbury Scholarship in Stage Design.—A. J. Vaux.

Suckling Memorial Prize (*Anatomy*).—E. W. D. Colt.

Sir Andrew Taylor Prizes.—Architecture: D. T. Stewart. *Fine Art:* Dorothy I. Mead.

Taylor Woodrow Travelling Scholarship (*Civil Engineering*).—J. M. Brown.

Henry Tonks Prize (*Fine Art*).—D. R. Creffield.

L. F. Vernon-Harcourt Prize (*Civil Engineering*).—B. D. Pond.

Thomas Viola Prize (*Stage Design*).—Carol A. Burns and Judith A. Wood, prize equally divided.

Ellen Watson Memorial Scholarship in Applied Mathematics.—S. H. Smith.

APPENDIX XII

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. (Honours)	*1st Class*	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Anthropology	—	2	1	1	4
Classics	1	4	3	3	11
English	—	17	14	4	35
French	1	1	13	9	24
Geography	—	6	6	3	15
German	2	10	6	2	20
Hebrew	—	1	1	2	4
History	1	16	14	1	32
Italian	—	2	—	—	2
Latin	—	—	—	1	1
Philosophy and Economics	—	—	1	—	1
Philosophy and Psychology	—	1	—	—	1
Philosophy	2	1	—	1	4
Psychology	—	4	3	2	9
	7	65	62	29	163

	1st Division	*2nd Division*	*3rd Division*	*Total*
B.A. (General)	—	1	—	1

	1st Class Honours	*2nd Class Honours*	*Pass*	*Total*
B.A. Architecture	—	2	4	6

FACULTY OF ECONOMICS

	1st Class Honours	*2nd Class Honours*		*Pass*	*Total*
		Upper Div.	*Lower Div.*		
B.Sc. (Economics)	2	10	20*	7†	39

* Includes five students also registered at another Institution.
† Includes two students also registered at another Institution.

FACULTY OF LAWS

	1st Class Honours	*2nd Class Honours*		*Pass*	*Total*
		Upper Div.	*Lower Div.*		
LL.B.	1	9	34	22	66

FACULTY OF SCIENCE

B.Sc. (Special)	*1st Class Honours*	*2nd Class Honours*			*3rd Class Honours*	*Total*
		Upper Div.		*Lower Div.*		
Anatomy	—	1		—	—	1
Anthropology	—	—		1	—	1
Astronomy	2	1		—	1	4
Biochemistry	—	4		1	1	6
Botany	1	2		4	2	9
Chemistry	4	7		14	5	30
Geography	1	2		4	—	7
Geology	1	3		3	4	11
Mathematics	4	3		7	7	21
Physics	4	5		10	11	30
Physiology	1	4		7	—	12
Psychology	3	2		1	1	7
Statistics	—	2		2	—	4
Zoology	2		4		1	7
	23	36	4	54	33	150

B.Sc. Degree	*Pass*	*Total*
Biochemistry	2	2
Chemistry	1	1
Physics	2	2
Statistics	3	3
	8	8

	1st Division	*2nd Division*	*3rd Division*	*Total*
B.Sc. (General)	—	—	3	3

FACULTY OF ENGINEERING

	1st Class Honours	*2nd Class Honours*		*Pass Degree*	*Total*
		Upper Div.	*Lower Div.*		
B.Sc. (Engineering)	5	7	6	17	35
B.Sc. (Engineering) Chemical Engineering	3	4	4	5	16

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 57 students passed.

APPENDIX XIII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

ADMIRALTY

(1) A grant not exceeding £6,500 for one year from 1 October 1958 for research in the Department of Electrical Engineering on Thermionic Valves.

(2) A grant not exceeding £6,465 for the period 1 October 1958 to 30 September 1960 for research in the Department of Electrical Engineering on the transmission of microwave power.

(3) A grant of £900 for one year from 7 January 1959 and a grant of £1,060 for one year from 7 January 1960 for an experimental and theoretical examination in the Department of Electrical Engineering of the problem of producing a single aerial continuously efficient over the band 2–30 Mc/s and of height not exceeding 50 feet.

AGRICULTURAL RESEARCH COUNCIL

(1) A grant not exceeding £75 for two months from 1 October 1958 for research in the Department of Zoology on the cytological effects of inbreeding in Drosophila.

(2) A grant not exceeding £1,038 for the period 1 April 1959 to 30 September 1960 for research in the Department of Botany on the metabolism of certain newer amino and imino acids by soil micro-organisms.

AMERICAN CANCER SOCIETY

A grant of $250 for one year from 1 September 1958 for research in the Department of Botany on microbial metabolism.

AMERICAN HEART ASSOCIATION

A grant of $500 effective from 1 July 1958 to assist in defraying expenses in the Department of Biophysics incurred by a research programme in connection with nerves and muscles.

ANONYMOUS

Two donations of £250 for expenses involved in researches conducted by the Galton Laboratory.

THOMAS WITHENDEN BATT

Bequest of most of the estate amounting to approximately £20,000, for the endowment of a scholarship in Science.

PROFESSOR H. HALE BELLOT

A grant of £50 for the American History Fund, Insitute of Historical Research.

BRITISH CELANESE LIMITED

A grant of £100 for the general upkeep of the Department of Chemical Engineering.

British Electrical and Allied Industries Research Association

A grant of £450 for one year from 1 August 1958 for an investigation in the Department of Electrical Engineering on the general subject of magnetic materials.

British Empire Cancer Campaign

(1) An additional grant of £104 for the year 1958 and a grant of £2,260 for the year 1959, for cancer research in the Department of Chemistry,

(2) A grant of £217 for the year 1958 and a grant of £500 for the year 1959, for cancer research in the Department of Biochemistry.

(3) A grant of £2,659 for one year from 1 January 1959 for research in the Department of Anatomy and Embryology on the movement of cells, in particular cancer cells.

(4) A grant not exceeding £800 for the year 1959 for cancer research in the Department of Zoology.

British Transport Commission

A grant of £1,750 per annum for two years from 1 March 1960 for an investigation in the Department of Mechanical Engineering into the oscillation of rolling stock.

Montague Burton Trustees

A grant of £100 to be used for needy students.

Dame Harriette Chick

A quantity of flowering shrubs for the Shenley Athletic Ground.

The Community of St Mary's Convent, Wantage

A book of drawings from the Lord's Prayer by John Flaxman.

Consolidated Zinc Corporation

A grant of £1,110 for one year from 1 April 1958 for research in the Department of Chemistry in the application of Nuclear Magnetic Resonance Technique to the study of Fluorine compounds.

Department of Health, Education and Welfare, Public Health Service, U.S.A.

(1) A grant of $416·67 for the period 1 September 1958 to 30 June 1959 for research in the Department of Eugenics, Biometry and Genetics in the study of human genetics: localisation of ABO antigens on human sperm.

(2) A grant of $500 for one year from 1 October 1958 for research by the Department of Eugenics, Biometry and Genetics in human biochemical genetics.

Department of Scientific and Industrial Research

(1) An additional grant of £1,254 for a period of three years ending 30 September 1960 for research in the Department of Physics into the scattering of electron in the range 4–30 MeV.

(2) A grant of £6,450 for one year from 1 May 1958 for physico-chemical investigation in the Department of Biochemistry of the microheterogeneity of proteins, and an electrophoretic study of the interaction of ribonuclease with metal and other ions.

(3) A grant of £13,425 for five years from 1 July 1958 for an investigation in the Department of Chemical Engineering of large scale extraction and separation of nucleotides and related materials from yeast.

(4) A grant not exceeding £5,240 for a period of two years ending 30 September 1960 for research in the Department of Physics on scattering of protons by protons, deuterons and alpha particles using high pressure cloud chamber and counter techniques.

(5) A grant not exceeding £15,700 for one year from 1 October 1958 for the construction by the Department of Physics of a large, heavy liquid, bubble chamber.

(6) A grant of approximately £3,680 for a period of three years from 1 October 1958 for research in the Department of Mechanical Engineering on the vibration of rotating shafts.

(7) A grant not exceeding £5,205 for a period of two years from 1 October 1958 for research in the Department of Physics on the interactions of K mesons and high energy protons using nuclear emulsions.

(8) A grant of £975 for one year from 1 October 1958 for research in the Department of Electrical Engineering on the propagation of surface radio waves.

(9) A grant not exceeding £2,715 for a period of three years ending 31 December 1961 for research in the Department of Chemistry into the mechanism of inorganic chemical substitution.

(10) A grant not exceeding £1,995 for a period of three years ending 31 December 1961 for the Department of Zoology for studies of the nueromuscular activity and behaviour in sea anemones.

(11) A grant of £7,000 for a period of three years from 1 January 1959 for further development in the Department of Psychology of a training method for skilled operatives in industry, with special reference to older workers.

(12) A grant not exceeding £25,400 for a period of two years from 1 June 1959 for the Department of Chemistry for an investigation into the mechanism of intramolecular and gas reactions.

Diamond Corporation

A grant of £50 for research in the Department of Chemistry on diamonds.

Du Pont De Nemours Company Inc.

A grant of $6,000 for one year from 1 March 1959 for fundamental research in the Department of Chemistry on Tungsten and Molybdenum.

The Electricity Council

Grants amounting to £1,025 for one year from 1 October 1958 for research in the Department of Electrical Engineering on semiconductor wattmeters.

Empire Rheumatism Council

A grant of £1,100 for one year from 1 June 1959 for research in the Department of Pharmacology on the effects of salicylates on the permeability of membranes and its significance in medicine.

English Electric Aviation Limited

A gift to the Department of Mechanical Engineering of a shock tube.

EDWARD FILLITER

A bequest of £2,032.

T. C. FITTON WILL TRUST

A donation of £50 towards the cost of the New Engineering Building.

THE FORD FOUNDATION

A grant of $63,800 for approximately three years for research in the Department of Psychology into the factors associated with success or failure in the treatment of juvenile delinquents.

GENERAL ELECTRIC COMPANY LIMITED

The donation to the Department of Mechanical Engineering of a 2½ h.p. electric motor.

EDITH GOODYEAR

A bequest of £100 to be invested to provide for annual book prizes in the Department of Geology.

TREVOR HARVEY

The gift of a number of long-playing records for the Allen Mawer Room.

THE HISPANIC AND LUSO-BRAZILIAN COUNCILS

A grant of £50 for use in the Latin American History Library and the Institute of Historical Research.

H. WINIFRED HUSBANDS

A donation of £105 to the Department of English Language and Literature to provide for an amount of £4 to be given annually in conjunction with the Early English Text Society's Prize.

INSTITUTE OF SEAWEED RESEARCH

A grant of £497 for one year from 1 October 1958 for an investigation in the Botany Department into the chemical composition of marine microalgae when grown in culture.

LIFE INSURANCE MEDICAL RESEARCH FUND

A grant of $500 for neuro-muscular research in the Department of Biophysics.

MAY AND BAKER LIMITED

A grant of £900 for one year from 1 October 1958 for research in the Department of Pharmacology on tetanus and Parkinsonism.

MEDICAL RESEARCH COUNCIL

(1) A grant of £75 for one year to 31 March 1959 and a grant of £100 for one year to 31 March 1960 for research in the Department of Physiology on the mechanical, neural and endocrine factors controlling the eruption of teeth.

(2) A grant of £240 for one year from 1 April 1958 for research in the Department of Biophysics by Dr H. E. Huxley on electron-microscopy and other studies into the fine stucture of biological systems.

(3) A grant of £600 for one year from 1 April 1958 and a grant of £820 for one year from 1 April 1959 for research in the Department of Biophysics on electron-microscopy and other studies into the fine structure of biological systems.

(4) A grant of £350 for one year from 1 July 1958 for work in the Student Health Association on medical and social factors in relation to academic performance.

(5) A grant of £200 for the period 1 July 1958 to 31 March 1959 and a grant of £350 for one year from 1 April 1959 for a study in the Department of Physiology of the distribution of acetylcholine in sympathetic ganglia.

(6) A grant of £600 for one year from 1 September 1958 for the furtherance of research in the Department of Physiology in central neurophysiology.

(7) A grant of £270 for one year from 1 October 1958 for research in the Department of Zoology on the physiology of ageing in Drosophila.

(8) A grant of £350 for one year from 5 January 1959 for an investigation in the Department of Physiology into the nature of epilepsy.

(9) A grant not exceeding £465 per annum for six months from 1 April 1959 for research in the Department of Biochemistry on the metabolism of orotic acid in man and its effect on the urinary nitrogen distribution.

(10) A grant not exceeding £620 for the Department of Botany for the cost of special apparatus for use in studies of gene structure and function through the colour mutants of spore figments in *Aspergillus nidulans*.

C. E. K. Mees

The gift of a reconditioned Kodagraph 'Micro-File' D. Camera for microfilming College Records and the Brougham-Bentham Mss.

Metropolitan-Vickers Electrical Company Limited

A grant of £300 for two years for research in the Department of Mechanical Engineering on vibration of rotating shafts.

Ministry of Supply

(1) A grant not exceeding £1,776 for two years from 1 October 1957 for research in the Department of Electrical Engineering on radar characteristics of reflections from water waves.

(2) A grant of £1,337 for one year from 15 June 1958 for investigation in the Department of Civil and Municipal Engineering into the effects of thermal conditions in aircraft camera windows and of heating systems on the resolution of aircraft cameras.

(3) A grant not exceeding £1,179 for one year from 1 July 1958 for the Department of Civil and Municipal Engineering for an assessment and trials of a precise photogrammetric plotting machine.

(4) A grant not exceeding £2,485 for one year from 1 October 1958 for research in the Department of Physics on the measurement of electron attachment coefficients in low pressure gases.

(5) Grants amounting to £1,745 for one year from 1 October 1958 for research in the Department of Phonetics in Sound Coded Speech.

(6) A grant not exceeding £1,046 for one year from 1 October 1958 for an investigation in the Department of Electrical Engineering of the circuit properties of microwave mixers.

(7) A grant not exceeding £946 for the period 1 April 1959 to 30 September 1959 for the Department of Civil and Municipal Engineering for photoelastic studies of stresses in shouldered shafts.

(8) A grant of £700 for one year from 1 June 1959 for research in the Department of Statistics on serial correlation in a binary sequence.

MULLARD RESEARCH FUND

A grant of £1,000 per annum for three years from October 1958 to expand research activities in the Department of Electrical Engineering.

NITRATE CORPORATION OF CHILE LIMITED

A grant of £50 towards expenses for electronic computing in the Department of Chemistry.

PARKE DAVIS AND COMPANY LIMITED

A grant of £350 for one year from 1 October 1958 for research in the Department of Physiology on inflammation, peptides and related topics.

PROFESSOR AND MRS L. S. PENROSE

The gift of a Dictionary of Musical Themes for the Allen Mawer Room.

THE BARONESS RAVENSDALE

The gift of two paintings by Rex Whistler.

ROCKEFELLER FOUNDATION

(1) A grant of $1,000 for 1957–58 for research in the Department of Pharmacology undertaken by Dr I. da Mota e Albuquerque.

(2) A grant not exceeding $6,700 for two years from 1 October 1958 for use in research in the Faculty of Laws on the law of outer space.

(3) A grant not exceeding $9,000 for one year from 1 November 1958 for the purchase of equipment for use in research in the Department of Botany in plant physiology and genetics.

(4) A grant not exceeding £1,800 for one year from 1 January 1959 for research in the Department of Chemistry in enzyme chemistry.

(5) A grant not exceeding $15,500 for a period of two years from 1 June 1959 for the preparation of a one volume selection of the correspondence of Jeremy Bentham.

ROCKEWELD LIMITED

The gift of an arc welding set, complete with accessories, for the Department of Mechanical Engineering.

ROYAL SOCIETY

(1) Grants amounting to £6,245 for one year from 1 October 1958 for Rocket Research in the Department of Physics.

(2) A grant of £850 per annum for a period of two years from 1 October 1958 for research in the Department of Chemistry on modifications of atomic orbitals in bond formation.

(3) A grant of £752 for travel and subsistence allowances for staff members of the Department of Physics visiting Australia in connection with rocket research.

(4) A grant of £750 for one year from 1 October 1958 for research in the Department of Physics on the excitation of aurorae.

(5) A grant of £1,085 for expenses of an expedition from the Department of Astronomy to observe the eclipse of the sun from the Canary Isles.

(6) A grant of £900 per annum for three years from 1 December 1958 for the study in the Department of Physics of strange particles produced by high energy accelerators.

(7) A grant of £1,435 for the purchase of a spectrophotometer for the Department of Anatomy and Embryology.

(8) A grant of £400 for investigations in the Department of Physiology on the central control of the intrafusal muscle fibres of the rabbit.

(9) A grant of £2,130 to the Department of Physics for the session 1959–60 for photo-electric tracking of artificial earth satellites and its further development.

(10) A grant not exceeding £1,800 for 1959–60 for a study in the Department of Physics of theoretical problems associated with artificial earth satellites.

(11) A grant of £268 for the year 1959 for a study in the Department of Botany of the distribution of nucleic acids in fern egg cells.

(12) A grant of £188 13*s*. 6*d*. for the purchase of a microscope for the Department of Zoology.

(13) A grant of £1,675 to Professor Sir Christopher Ingold and a grant of £1,500 to Dr C. A. Vernon for equipment.

R. J. Sainsbury Discretionary Settlement

A grant of £1,000 for the Department of Fine Arts for the benefit of young sculptors on completion of their training.

Shell Group of Oil Companies

A grant of £500 for one year from 1 October 1958 for an investigation in the Department of Chemistry of vibrational energy transfer by ultrasonic dispersion.

Shell International Petroleum Company Limited

A grant of £60 for 1959–60 for the Department of Geology for field work.

Shell Research Limited

(1) A grant of £500 per annum for 1958 and 1959 for use in connection with research work in the Department of Chemistry.

(2) A grant of £750 per annum for two years from 1 September 1959 for research in the Department of Chemistry on the theory of the energy levels of aromatic crystals.

H. C. Smith

The gift of a bust of George Grote complete with Adam pedestal.

Smith, Kline and French Laboratories Limited

A grant of £1,000 per annum for two years from 1 October 1958 for research in the Department of Pharmacology on anaphylaxis and related problems.

Dr Marie Stopes

The bequest of a portrait of Dr Stopes by Wolmark.

J. Walter Thompson Company Limited

A grant of £300 for an inquiry in the Communication Research Centre on 'A Description and Analysis of the Linguistic Features of Advertising Copy'.

Tube Investments Limited

A grant of £3,500 per annum for seven years from July 1958 for research in the Department of Anatomy and Embryology on an analogue computer.

United Kingdom Atomic Energy Authority

(1) A grant of £175 for the period 1 January 1958 to 30 September 1958 for research in the Department of Civil and Municipal Engineering on tube plate stress analysis.

(2) A grant not exceeding £5,000 for one year from 1 July 1958 and a further grant not exceeding £10,000 for three years from 1 July 1959 for a design study for a high energy accelerator for the Department of Physics.

(3) A grant not exceeding £6,500 for a period of two years from 1 September 1958 for research in the Department of Physics on atomic collision cross sections.

(4) A grant not exceeding £2,745 for one year from 1 October 1958 for an investigation in the Department of Physics on measurement methods for ionized gases.

United States Air Force

(1) A grant of $20,529 for the period 1 March 1957 to 30 November 1959 for studies in the Department of Phonetics in improvement of accuracy and reliability of speech analyzer systems.

(2) A grant of $9,000 for the period 15 May 1958 to 15 December 1959 for research in the Department of Chemical Engineering on effects of electron collisions in atmospheric gases.

(3) A grant of $6,500 for the period 1 September 1958 to 31 December 1960 for research in the Department of Chemistry on d-atomic orbitals.

(4) A grant of $3,138 for one year from 15 September 1958 and an additional grant of $7,233 for three years from 15 September 1958 for research in the Department of Chemistry on the mechanism of rearrangement of hydrazobenzenes.

(5) A grant of $9,950 for one year from 1 May 1959 for research in the Department of Anatomy and Embryology on anatomic localisation of target learning and memory.

(6) A grant of $5,185 for one year from 1 August 1959 for a theoretical investigation in the Department of Chemical Engineering on electron impact cross-sections for molecular hydrogen.

Wellcome Trust

(1) A grant of £1,700 to enable certain alterations to be carried out in the Department of Eugenics, Biometry and Genetics.

(2) A grant of £270 for a period of five months from 1 October 1958 for research in the Department of Anthropology into the serology of certain Hindu populations in the United Kingdom.

(3) A grant of £14,900 for a period not exceeding three years for research in the Department of Anatomy and Embryology on nerve fibres and synapses.

(4) A grant not exceeding £8,000 for the provision of a Cary Recording Spectrophotometer on indefinite loan for the Department of Biochemistry.

(5) A grant of £1,725 for expenses incidental to the housing and display in the Department of Anatomy and Embryology of the collection of embryological material bequeathed to the College by the late Professor J. P. Hill.

WELSH GUARDS

A set of paintings by Rex Whistler comprising a proscenium arch.

YORK SHIPLEY LIMITED

An ammonia refrigerator on permanent loan to the Department of Mechanical Engineering for teaching purposes.

APPENDIX XIV

COLLEGE ACCOUNTS 1958–59

The Balance Sheet and the Income and Expenditure Account for the year 1958–59 will be found on pages 92–95.

BALANCE SHEET

Features of special interest were:

LIABILITIES

The Capital Account is increased by £5,444,778, due to a revaluation of the freehold land and buildings at the end of the financial year, so that the values attributed to these are more realistic. The cost of new construction and adaptation of new premises completed during the year is capitalised at a sum of £1,328,053.

Sundry Funds show an increase of £136,416 over the corresponding figure for the previous year due mainly to receipts for the Engineering Appeal (£57,610), the Ramsay Centenary Appeal (£9,472), the Boise Scholarship Fund transferred from Trust Funds (£25,589), the New Refectory (£4,404), Long Term Maintenance (£15,556), and Superannuation Funds (£14,490).

Unexpended balances increased by £20,960 of which £15,076 represents balances in hand under extra-budgetary activities explained on page 90.

ASSETS

The value of freehold Land and Buildings is increased by £5,442,209 as the result of the revaluation already mentioned, and of the capitalisation of the cost of completed works.

Capital and other works in progress show a substantial reduction (£95,435) owing to fewer payments of capital grants being outstanding at the close of the year.

Investments showed a net increase of £147,300, due to the temporary investment of Appeal Funds (£58,500), Superannuation Funds (£25,500), Long Term Maintenance (£17,000), and General Funds (£30,450).

TRUST FUNDS

The College holds endowments in the form of 173 separate Trust Funds with a total value of £1,086,644. They yield a gross income of £47,000 per annum.

INCOME AND EXPENDITURE

The Income and Expenditure account shows a surplus of £4,392, as compared with a surplus of £3,717 for the previous year.

Income exceeded that of 1957–58 by £82,207, due to increases in the ordinary and supplementary Grants from the Court of £40,000 and £15,000 respectively, to increases in Donations (£7,272), Fees (£5,000), and revenue from temporary investments (£6,000).

Expenditure was £81,532 more than in 1957–58 the main features of which were:—

(*a*) Departmental Maintenance, £50,920. Normal increments for academic and technical staffs (£24,000), revised rates of London Weighting and salary scales for technicians (£7,800), and new lectureships supported by donations (£5,600).

(*b*) Maintenance of Premises, £18,881. The cost of bringing into use new accommodation at 25 Gordon Street and Stage II of the Biological Sciences block was £15,000: this was covered by a supplementary Court grant. An increased allocation of £4,000 to the Long Term Maintenance Fund was also made.

The percentages of income and expenditure under the main classifications in the years 1956–57 to 1958–59 are shown in the following table:—

EXPENDITURE	1956–57 %	1957–8 %	1958–9 %
Salaries and Pensions of Teaching Staff	47·8	49·2	49·1
Departmental Expenses incl. Library	26·3	24·1	24·2
Maintenance of Premises ..	13·4	14·2	14·7
Administration ..	7·3	7·7	7·7
Other	5·2	4·8	4·3
	100·0	100·0	100·0

INCOME	1956–7 %	1957–8 %	1958–9 %
Endowments ..	3·7	3·1	2·9
Grants	84·1	84·7	84·1
Donations ..	·4	·5	·9
Fees	10·6	10·4	10·2
Other	1·2	1·3	1·9
	100·0	100·0	100·0

EXTRA-BUDGETARY ACTIVITIES

The College administers the finances of research projects supported from outside sources. At 31 July 1959 there were 140 such projects. A number of relatively small projects which terminated during the year were replaced by larger projects, so that a substantial expansion of activities occurred as evidenced by receipts having risen from £130,578 in 1957–58 to £168,947 in 1958–59, and payments from £120,885 to £170,569. Receipts by the College in respect of overhead and administration costs totalled £3,675.

CAPITAL GRANTS

Capital Grants made during the year 1958–59 were as follows:	£
Adaptation of 25 Gordon Street:	
Additional building work and professional fees, increase in costs	3,789
Purchase of equipment for High Energy Physics	9,693
Biological Sciences Block, Stage I: Additional building work, increase in labour costs and additional professional fees	6,807
Biological Sciences Block, Stage II: Increase in labour costs, additional professional fees	3,662
Engineering Building, Stage I: Additional building work, increase in labour costs, additional professional fees	11,570
Alterations to Medical Sciences Building for Departments of Anatomy, Pharmacology and Physiology:	
Building work and professional fees	25,447
Purchase of furniture and equipment	39,102
Adaptation in Basement of South Wing to house Records Department:	
Building work	2,600
Purchase of furniture and equipment	5,407
Adaptations in Foster Court to provide Common Room for Staff:	
Building work	1,565
Purchase of furniture	1,875
Alterations to South Wing Staircase to provide accommodation for Accounts Department:	
Building work and professional fees	2,989
Purchase of equipment and furniture	1,491
Biological Sciences Block, Stage IV: Building work	263,881
Engineering Building, Stage II: Building work	211,912
Conversion of 33-35 Torrington Place for Department of Laws: Additional building work and fees	452
Animal House, Stage II: Increases in cost and additional professional fees	806
Adaptation of 16 Gordon Street, to provide additional accommodation for the Department of Psychology: Purchase of equipment	18,815
Elmiskop I Electron Microscope for Department of Biophysics: Grant towards cost of import duty	3,456
	£615,319

SCHOLARSHIPS AND PRIZES

Expenditure amounted to £13,276 in 1958–59. Awards were made as under:

	Undergraduate £ *s.* *d.*	*Postgraduate* £ *s.* *d.*
From Endowments	2,722 18 7	1,920 19 9
„ Donations and Subscriptions	692 12 7	5,139 14 10
„ General Income	699 4 0	1,497 13 7
„ General Income: Exhibition Bursaries and special fee remissions	259 5 0	343 10 0
	£4,374 0 2	£8,901 18 2

LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

31.7.58 £		£	£
	COLLEGE GENERAL CAPITAL ACCOUNT as at 31 July, 1958 ..	1,646,543	
	Add: (*a*) Capital Grants for New Construction completed and now capitalised	1,328,053	
	(*b*) Surplus on Revaluation of Land and Buildings as at 31 July, 1959	4,114,157	
	(*c*) Capital Grants for Conversion of Leasehold Properties: 27 Cartwright Gardens	5,787	
		7,094,540	
	Less: Amortization of Leasehold Properties	3,219	
1,646,543			7,091,321
39,503	REDEMPTION FUNDS		43,476
398,980	SUNDRY FUNDS		535,396
3,717	INCOME AND EXPENDITURE ACCOUNT		7,424
2,088,743			7,677,617
52,869	LOANS		30,532
263,143	UNEXPENDED BALANCES		284,103
189,336	CURRENT LIABILITIES		132,437
2,594,091			8,124,689
977,693	TRUST FUNDS		1,019,332

NOTE

The College freehold properties were revalued during 1959 on the basis of current land values and estimated building costs, arrived at by the College authorities with professional assistance from Quantity Surveyors. No value is included in capital account for furniture and equipment.

£3,571,784	£9,144,021

We have audited the above balance sheet and the annexed income and expenditure thereon, a true and fair view of the state of affairs of University College London at (*b*) moneys expended during the year out of non-recurrent grants received from the have been properly applied to those purposes.

3 Frederick's Place, Old Jewry, London, E.C.2.
24 November 1959.

AS AT 31 JULY 1959

ASSETS

31.7.58 £		£	£
	COLLEGE FREEHOLD LANDS AND BUILDINGS, at Valuation—see note below		
	As at 31 July 1958	1,686,342	
	Transfer from Capital Works in progress..	1,328,052	
		3,014,394	
	Surplus on Revaluation of Land and Buildings as at 31 July, 1959	4,114,157	
1,686,342			7,128,551
	COLLEGE LEASEHOLD PROPERTIES, at Cost	90,085	
	Add: Reconstruction of 27 Cartwright Gardens	5,787	
90,085		95,872	
34,613	*Less:* Amortization to date	37,887	
(55,472)			57,985
1,741,814			7,186,536
143,267	CAPITAL AND OTHER WORKS IN PROGRESS *less* capital grants and other capital receipts		47,832
	INVESTMENTS		
474,273	General College and Redemption Funds	615,073	
20,000	*Less:* Depreciation	13,500	
(454,273)	(Market Value 31 July, 1959, £601,510)		601,573
22,019	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS		61,556
67,402	CAPITAL WORKS—Expenditure in respect of Suspended Works		61,236
165,316	CURRENT ASSETS including prepayments		165,956
2,594,091			8,124,689
977,693	TRUST FUNDS		1,019,332
£3,571,784			£9,144,021

account. In our opinion (*a*) the said accounts give, on the basis indicated in the notes
31st July, 1959, and of the income and expenditure for the year ended on that date:
University Court and other funds administered by the College for specific purposes

PRICE WATERHOUSE & CO.
Chartered Accountants

EXPENDITURE

1957–58 £		1958–59 £	£
	ADMINISTRATION		
75,392	Salaries	81,509	
5,185	Payments for Superannuation	5,014	
29,000	Advertising, Printing, Stationery, Postage, and Telephone	31,356	
7,427	Other Expenses (including Professional Fees)	5,265	
(117,004)			123,144
	DEPARTMENTAL MAINTENANCE		
685,208	Salaries of Teaching Staff	712,043	
62,488	Payments for Superannuation	64,233	
173,566	Departmental Wages (including Superannuation)	194,756	
129,926	Departmental and Laboratory Maintenance	131,370	
62,000	Libraries	61,706	
(1,113,188)			1,164,108
	MAINTENANCE OF PREMISES		
31,568	Rates and Insurance	35,274	
49,809	Heat, Light, Water, and Power	52,860	
107,576	Ordinary Repairs and General Maintenance of Buildings	118,686	
27,551	Wages of Porters and Attendants (including Superannuation)	28,565	
(216,504)			235,385
	MISCELLANEOUS EXPENDITURE		
10,197	Pensions for Retired Members of Staff	10,120	
175	Grants from Benevolent Fund	75	
191	Examiners' Fees	154	
2,878	Interest on Overdrafts, Mortgages, etc.	3,092	
11,123	Scholarships and Prizes	13,276	
18,840	Grants to Students' Societies	21,300	
	Deficits on Income and Expenditure Accounts for Halls of Residence, Refectories, etc.:		
	Refectory: £		
875	Subvention 875		
3,817	Accumulated Loss written off 2,000		
—	Non-Academic Staff Canteen 556		
		3,431	
	OTHER EXPENDITURE		
1,750	Salaries of Wardens of Halls of Residence 2,014		
57	Payments for Superannuation 437		
		2,451	
	Rent and Other Payments for Use of Buildings:		
5,052	Halls of Residence 4,861		
773	Other Buildings 1,270		
		6,131	
14,106	Other Items	15,321	
(69,834)			75,351
	CAPITAL EXPENDITURE MET FROM INCOME		
2,636	Gordon Street Frontage		2,710
1,519,166			1,600,698
3,717	Excess of Income over Expenditure for the year		4,392
£1,522,883			£1,605,090
—	Adaptations in Foster Court carried out in 1954		685
3,717	Balance, 31 July 1959 carried to Balance Sheet		7,424
£3,717			£8,109

INCOME

1957–58 £		1958–59 £	£
	ENDOWMENTS		
46,825	Income appropriated to meet expenditure for particular purposes specified by Trust	45,637	
640	Income appropriated to meet expenditure on general purposes (Bawden Fund)	640	
(47,465)			46,277
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
139	Special Purposes	541	
4,163	Scholarships and Bursaries	5,833	
1,216	Salaries and Superannuation	6,187	
1,914	Departmental and Laboratory Maintenance	2,144	
(7,432)			14,705
	GRANTS FROM UNIVERSITY COURT		
1,166,326	Court Grant	1,221,757	
123,563	Earmarked Grant for Academic salary increases	128,056	
(1,289,889)			1,349,813
	FEES		
157,981	General	163,097	
754	Examination and Registration Fees	800	
384	Exhibition Bursaries and Special Fee Remissions	343	
(159,119)			164,240
1,610	CONTRIBUTIONS FOR SERVICES RENDERED		4,101
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
953	College Properties		170
16,415	OTHER ITEMS		25,784

NOTES

1. In addition to the Income and Expenditure shown, sums totalling £170,569 were spent on Extra-budgetary activities for which grants have been or will be received from outside sources.
2. Expenditure shown has been reduced by £10,495 representing a net decrease in unexpended balances of grants from University Court.

£1,522,883		£1,605,090
—	Balance as at 31 July 1958	3,717
3,717	Excess of Income over Expenditure for the year 1958–59, brought down	4,392
£3,717		£8,109

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